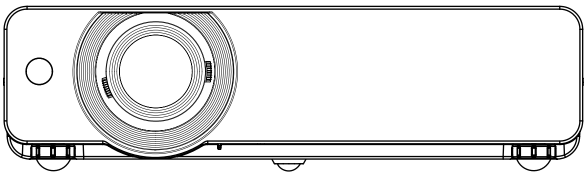
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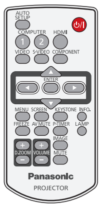
D10

Service Manual

LCD Projector

Model No. **PT-VX500U**
PT-VX500E
PT-VX500EA
PT-VW430U
PT-VW430E
PT-VW430EA





Panasonic®

Contents

Safety Instructions

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It dose not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

WARNING : Use UV Radiation eye and skin protection during servicing

CAUTION

Precaution

When using the projector in the elevation of below 1 200 m, make sure [Fan control] is set to [Off].
When using the projector in the elevation of above 1 200 m to below 2 000 m, make sure [Fan control] is set to [On 1].
When using the projector in the elevation of above 2 000 m to below 2 700 m, make sure [Fan control] is set to [On 2].
(Refer to "PROJECTOR SETUP menu" in Operating Instructions.)
Failure to observe this may cause malfunctions. Never use this projector at an altitude of 2 700 m or higher above sea level.
Using this projector at high altitude, consult your dealer or Authorized Service Center about preparations.

About lead free solder (PbF)

This projector is using the P.C.Board which applies lead free solder.
Use lead free solder in servicing from the standpoint of antipollution for the global environment.
Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder. Typically the melting point
- Is 30~40 °C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370 ± 10 °C.
- Be precautious about lead free solder. Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead
- Solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board.
For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.

PbF

For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic LCD Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC SOLUTIONS COMPANY.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment dose cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, The user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Any unauthorized changes or modifications to this equipment will void the users authority to operate.

Safety precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- Use correctly the supplied power cord and must ground it.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Be careful not to touch the rotation part (cooling fan, etc.) of this projector when you service with the upper case removed and the power supply turned ON.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.
   Be sure to use a voltmeter having the performance described in Table 1.
2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

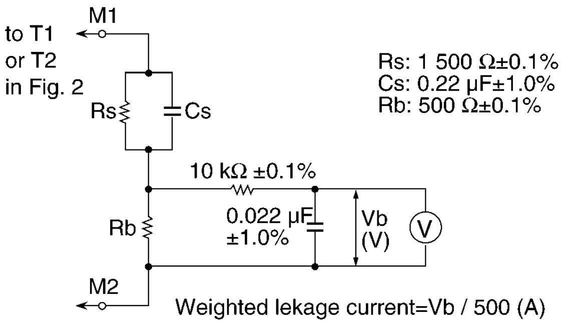


Fig. 1

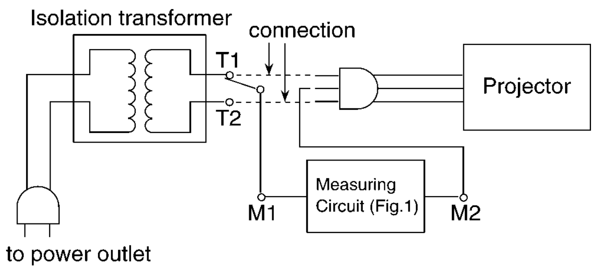


Fig. 2

	Performance
Voltmeter (rms reading)	Accuracy: ≤ 2% Input resistance: ≥ 1 MΩ Input capacitance: ≤ 200 pF Frequency range: 15 Hz to 1 MHz

Table. 2

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- The lamp unit has high internal pressure. If improperly handled, explosion might result.
- Because the high pressure lamp involves a risk of failure, never touch the lamp wire lead during the service.

Specifications

Model No.		PT-VW430U / E / EA	PT-VX500U / E / EA
Power supply		AC100 V - 240 V 50 Hz/60 Hz	
Power consumption		100 V - 240 V 4.0 A-1.6 A 365 W	
		When [Standby mode] of [Setting] is set to [ECO]: 0.3 W When [Standby mode] of [Setting] is set to [Network]: 11.5 W or less	
		When [Standby MIC out] of [Sound] is set to [On]: Max.26 W	
LCD panel	Panel size	1.5 cm(0.59") (aspect ratio 16 : 10)	1.6 cm(0.63") (aspect ratio 4 : 3)
	Display method	3 transparent LCD panels (RGB)	
	Drive method	Active matrix method	
	Pixels	1 024 000 (1 280 x 800) x 3 panels	786 432 (1 024 x 768) x 3 panels
Lens		Manual zoom (1.6x) / Manual focus / Lens shift F 1.6 to 2.12, f 15.28 mm to 24.62 mm	
Luminous lamp		280 W UHM lamp	
Light output *1		4 300 lm	5 000 lm
Applica-ble scan-ning fre-quency *3	for RGB signal	Horizontal 15 kHz to 100 kHz, Vertical 50 Hz to 100 Hz	
		Dot clock frequency: 140 MHz or less	
	for YP_BP_R signal	[525i(480i)] Horizontal 15.75 kHz, Vertical 60 Hz [525p(480p)] Horizontal 31.5 kHz, Vertical 60 Hz [750(720)/60p] Horizontal 45 kHz, Vertical 60 Hz [1 125(1080)/60i] Horizontal 33.75 kHz, Vertical 60 Hz [625i(576i)] Horizontal 15.63 kHz, Vertical 50 Hz [625p(576p)] Horizontal 31.25 kHz, Vertical 50 Hz [750(720)/50p] Horizontal 37.5 kHz, Vertical 50 Hz [1 125(1080)50i] Horizontal 28.13 kHz, Vertical 50 Hz • HD/SYNC and V terminals are not compliant with 3 value composite SYNC	
	for Video signal (in-cluding S-Video)	Horizontal 15.75 kHz / 15.63 kHz, Vertical 50 Hz / 60 Hz	
	for HDMI signal	525p(480p), 625p(576p), 750(720)/60p, 750(720)/50p, 1 125(1 080)/60p, 1 125(1 080)/50p, 1 125(1 080)/60i, 1 125(1 080)/50i • Displayable resolution: VGA to WUXGA (non-interlace) • Dot clock frequency: up to 162 MH	
Color system		7 (NTSC, NTSC4.43, PAL, PAL-N, PAL-M, SECAM, PAL60)	
Projection size		0.76 m-7.62 m(30"-300")	
Screen aspect ratio		16 : 10	4 : 3
Projection scheme		Front / Rear / Mount on Ceiling / Floor (Menu setting system)	
Speaker		1 (4.0 cm round-type)	
Maximum usable volume output		10 W	
Contrast ratio *2		3 500 : 1 (all white / all black)	4 000 : 1 (all white / all black)

*1: These values of light output are measured under the condition that [Lamp power] is set to [Normal], [Image select] is set to [Dynamic] and [Lens Shift] is adjusted to the lowest level. measurement, measuring conditions and method of notation all comply with ISO21118 international standards.

*2: The value of contrast ratio is measured under the condition that [Lamp power] is set to [Normal], [Image select] is set to [Dynamic], [Lens Shift] is adjusted to the lowest level and [Iris] is set to [On]. Measurement, measuring conditions and method of notation all comply with ISO21118 international standards.

*3: For details of video signals that can be projected using this projector, refer to “List of compatible signals” on the user's manual.

Model No.		PT-VW430U / E / EA	PT-VX500U / E / EA
Termi-nals	COMPUTER IN 1 /COMPONENT IN	1 (D-sub 15 pin female) [RGB signal] 0.7 V [p-p] 75 Ω (When G-SYNC: 1.0 [p-p] 75 Ω HD/SYNC TTL high impedance, automatic positive/negative polarity compatible VD TTL high impedance, automatic positive/negative polarity compatible [YP$_B$P$_R$ signal] Y: 1.0 V [p-p] including synchronization signal, P$_B$P$_R$: 0.7 V [p-p] 75 Ω	
	COMPUTER IN 2 /MONITOR OUT	[RGB signal] 0.7 V [p-p] 75 Ω (When G-SYNC: 1.0 [p-p] 75 Ω HD/SYNC TTL high impedance, automatic positive/negative polarity compatible VD TTL high impedance, automatic positive/negative polarity compatible	
	VIDEO IN	1 (RCA pin jack 1.0 V [p-p] 75 Ω)	
	S-VIDEO IN	1 (Mini DIN 4 pin, Y 1.0 V [p-p], C 0.286 V [p-p] 75 Ω, S1 signal compatible)	
	HDMI IN	1 (HDMI 19 pin, HDCP and Deep color compatible)	
	AUDIO IN	2 (M3 stereo mini jack, 0.5 V [rms], input impedance 22 kΩ and more) 1 (RCA pin jack x 2 (L-R), 0.5 V [rms], input impedance 22 kΩ and more)	
	VARIABLE AUDIO OUT	1 (M3 stereo mini jack, stereo monitor output compatible, 0 V [rms] to 2.0 V [rms] valuable, output impedance 2.2 kΩ and less)	
	SERIAL IN	1 (D-sub 9 pin, RS-232C compliant, for computer control use	
	LAN	1 (for RJ-45 network connection, PJLink compatible,)	
Power cable length		2.0 m(78 3/4")	
Cabinet		Molded plastic	
Dimensions		Width: 379 mm (14.92") Height: 107 mm (4.21") (when front adjustable feet shortened) Depth: 305 mm (12.01") (excluding protractions)	
Weight		Approx.4.8 kg(10.58 lbs.) *4	
Operating environment		Operating environment temperature*5: 0 °C (32 °F) to 40 °C (104 °F) (Elevation: below 1 200 m; [Fan control]: [Off]) 0 °C (32 °F) to 30 °C (86 °F) (Elevation: 1 200 m ~ 2 000m; [Fan control]: [On1]) 0 °C (32 °F) to 30 °C (86 °F) (Elevation: 2 000 m ~ 2 700m; [Fan control]: [On2]) Operating environment humidity: 20 % to 80 % (no condensation)	
Remote control	Power supply	DC 3 V (battery (AAA/R03 or AAA/LR03 Type) x 2)	
	Operating range	Approx. 7 m (275.6") (when operated directly in front of receptor)	
	Weight	67 g (2.36 ozs.) (including batteries)	
	Dimensions	Width : 52 mm (2.05"), Length : 110 mm (4.33"), Height : 18 mm (0.71")	

*4: This is an average value. It may differ depending on individual product.
*5: If [Lamp power] is set to [Normal] and the operating environment temperature exceeds 35°C(95 °F), [Lamp power] may be changed to [Eco] automatically.

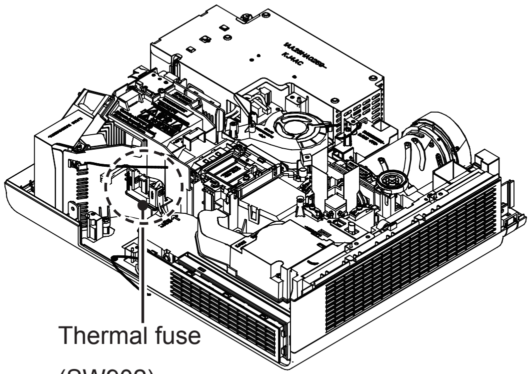
• The part numbers of accessories and separately sold components are subject to change without notice.

Circuit Protections

This projector provides the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

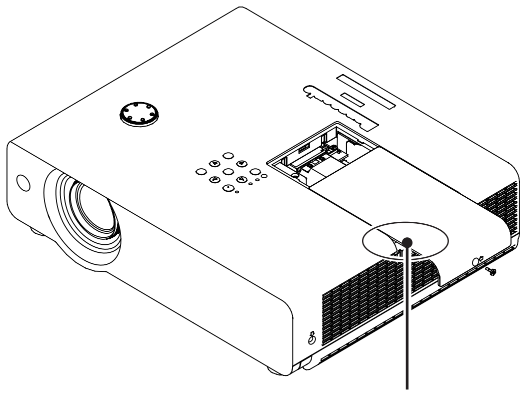
Thermal fuse (SW902)

There is a thermal fuse (SW902) inside of the projector to detect the internal temperature rising abnormally. When the internal temperature around lamp reaches near 113˚C, the thermal fuse will open to cut off the power supply to the lamp power circuit.
If the thermal fuse opens, the projector cannot turn on. Thermal fuse replacement is required.



Lamp cover switch (SW901)

The lamp cover switch (SW901) cuts off the drive signal to the lamp circuit when the lamp cover is removed or not closed completely. After opening the lamp cover for replacing the lamp assy, place the lamp cover correctly otherwise the projector can not turn on.



Fuse (F601)

A fuse is located inside of the projector. When the ON(G)/STANDBY(R) indicator is not lighting, the fuse may be opened. Check the fuse as following steps.
The fuse should be used with the following type;

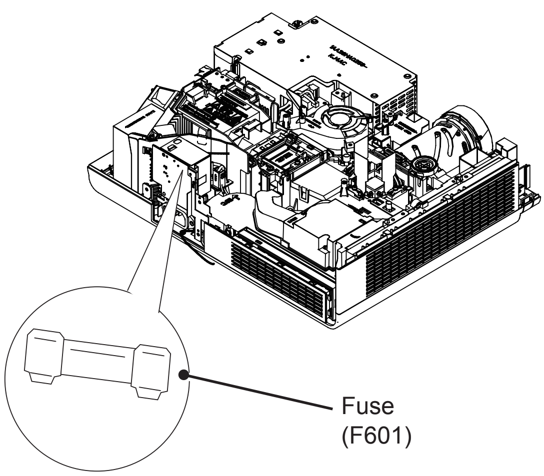
Fuse Part No.: 423 035 3004 **TYPE T8AH 250V FUSE** **LITTEL FUSE INC. TYPE 0215008.MXEP**

or

Fuse Part No, : 424 007 3909 **TYPE 8AH 250V FUSE** **SKY-GATE, Ltd. TYPE SG5013008P-R**

How to replace the fuse

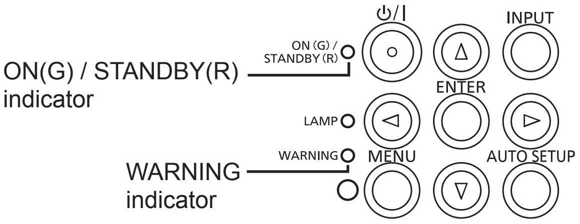
1. The fuse is placed on the AC 1ST FILTER board. Remove the cabinet top, MAIN&AV board following the "Mechanical Disassembly" .
2. Take the fuse off , and replace the old one with the specified type.



Warning temperature and power failure protection

The projector will be automatically turned off when the internal temperature of the projector is abnormally high, or the cooling fans stop spinning, or the power supplies in the projector are failed.

LED indicator



The projector is shut down and the WARNING indicator is blinking red.

When the temperature inside the projector reaches a certain level, the projector will be automatically shut down to protect the inside of the projector and the WARNING and ON(G)/STANDBY(R) indicators start blinking. When the projector has cooled down enough (to its normal operating temperature), the ON(G)/STANDBY(R) indicator stops blinking and lights red, The projector can be turned on again by pressing the ⏻/| button.

✔ **Note:**
The WARNING indicator continues to blink even after the temperature inside the projector returns to normal. When the projector is turned on again, the WARNING indicator stops blinking.

Check items
- Remove dust around the air filter.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature.

The projector is shut down and the WARNING indicator lights red.

When the projector detects an abnormal condition, it is automatically shut down to protect the inside of the projector and the WARNING indicator lights red. In this case, unplug the AC power cord and reconnect it, and then turn the projector on once again to verify operation.

✔ **Note:**
- If the WARNING indicator lights red, it may defect the cooling fans or power supply circuits. Check fans operation and power supply lines referring to the chapter “Power supply & protection circuit” and "Fan control circuit" in the Chassis Block Diagram section.

⚠ **WARNING**
DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.

Maintenance

Before replacing the unit

When you perform maintenance or replacement of the parts, make sure to turn off the power and disconnect the power plug from the wall outlet.

Maintenance

■ Outer Case

Wipe off dirt and dust using a soft dry cloth.

• If the dirt is persistent, soak the cloth with water and wring it thoroughly before wiping. Dry off the projector with a dry cloth.
• Do not use benzene, thinner, or rubbing alcohol, other solvents, household cleaners, or chemical treated dusters. Using them may cause deterioration of the outer case.

■ Front glass surface of the lens

Wipe off the dirt and dust off the front surface of the lens with soft clean cloth.

• Do not use a cloth that has an abrasive surface or a cloth that is moist, oily, or covered with dust.
• Do not use excessive force when wiping the lens as it is fragile.

Attention

The lens is made of glass. Impacts or excessive force when wiping may scratch its surface.
Please handle with care.

Replacing the unit

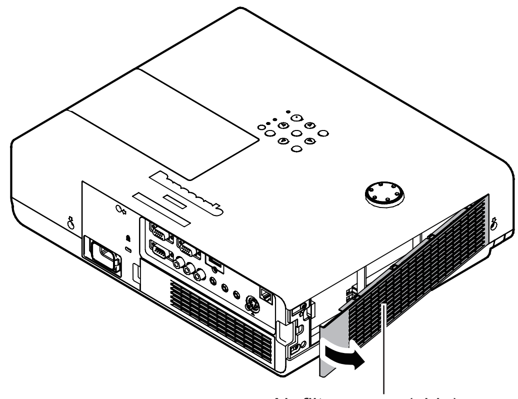
■ Air filter unit

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filter become clogged with dust particles, it will reduce cooling fans' effectiveness and may result in internal heat buildup and adversely affect the life of the projector. If a "Filter warning" icon appears on the screen, replace the filter immediately.

■ Replacement of the air filter unit (side)

1) Remove the air filter cover.

• Open the air filter cover in the direction of the arrow in the figure and remove it.



2) Remove the air filter unit.

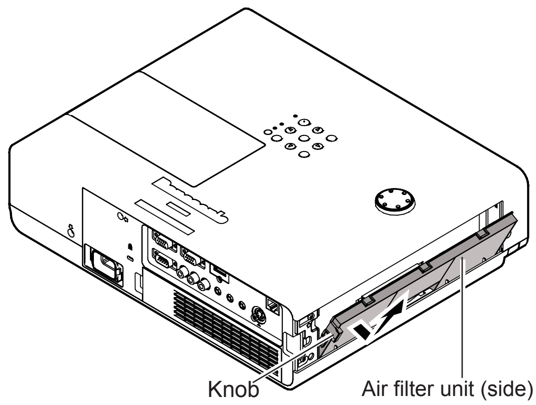
i) Hold the knob of the air filter unit and pull out in the direction of the arrow, the top of the air filter unit will pop up.
ii)Take out the air filter unit upwards.
• After removing the air filter unit, remove large foreign objects and dust from the air filter compartment and the projector's air intake port if there are any.

3) Insert the new air filter unit.

• Hold the air filter unit that the knob is outside of the projector, perform Step 2) in the reverse order.
• Do not press the filter part when push into the projector at last

4) Install the air filter cover.

• Make sure that the air filter cover is closed tightly



Replacement air filter unit: ET-RFV200
(a pair of air filter unit for back and side)

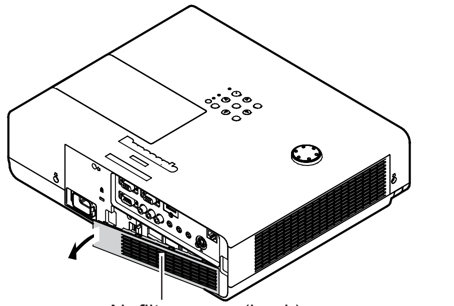
■ Replacement of the air filter unit (back)

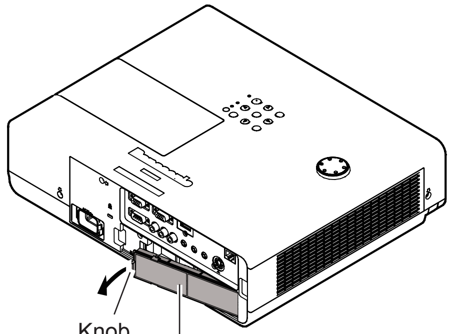
1) Remove the air filter cover.
- Open the air filter cover in the direction of the arrow in the figure and remove it.

2) Remove the air filter unit.
- Hold the knob of the air filter unit and pull out in the direction of the arrow.
- After removing the air filter unit, remove large foreign objects and dust from the air filter compartment and the projector’s air intake port if there are any.

3) Insert the new air filter unit.
- Hold the air filter unit that the knob is outside of the projector, perform Step 2) in the reverse order.
- Do not press the filter part when push into the projector at last

4) Install the air filter cover.
- Make sure that the air filter cover is closed tightly





■ Resetting the filter counter

After replacing the air filter units, be sure to reset the filter counter.

1) Press ▲▼ to select [Filter counter reset].

2) Press the <ENTER> button.

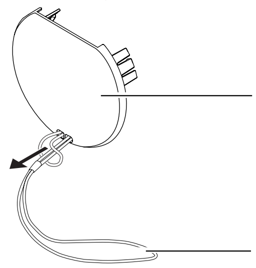
[Filter counter Reset?] appears. Select Yes to continue. Another confirmation dialog box appears, select Yes to reset the Filter counter.

Attention
- Turn off the power before you replace the air filter unit.
- When attaching the air filter unit, make sure that the projector is stable, and work in an environment that is safe, even in the event of the air filter unit dropping.
- Do not operate the projector with the filters removed. Dust may accumulate on the optical elements degrading picture quality.
- Do not put anything into the air vents. Doing so may result in malfunction of the projector.
- Do not wash the filters with water or any other liquid matter. Otherwise the filters may be damaged.

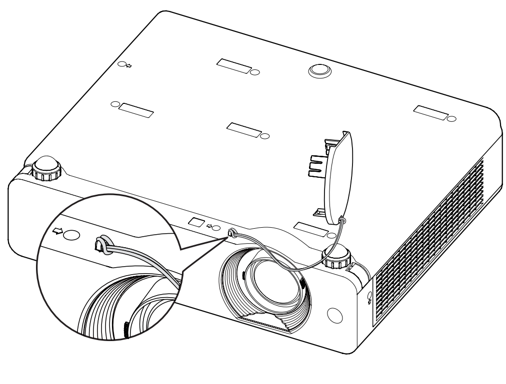
■ Attaching the lens cap

When moving this projector or while not using it over an extended period of time, attach the lens cap.
To prevent loss for the lens cap, please according to the following procedures, attach the lens cap with the string of accessories.

1) Thread the thinner end of the string through the hole on the lens cap.



2) Thread the other end of the string through the hole on the bottom of the projector.



■ Lamp unit

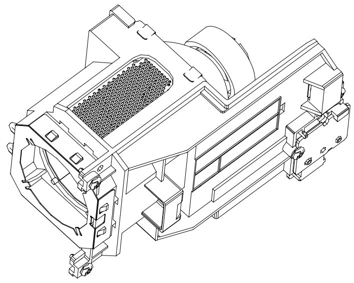
The lamp unit is a consumable component. You can check the total usage time using Lamp runtime in the Information menu.
It is recommended to ask an authorized engineer to replace the lamp unit. Contact your dealer.
Consult your dealer to purchase a replacement lamp unit.

Replacement lamp unit: ET-LAV200

CAUTION:

■ Do not replace the lamp unit when it is hot. (Wait at least 1 hour after use.)
The inside of the cover can become very hot, take care to avoid burn injuries.

■ Notes on the replacement of the lamp unit



- The luminous source of the lamp is made of glass and may burst if you hit it against a hard surface or drop it.
  Please handle with care.
- A Phillips screwdriver is required for replacement of the lamp unit.
- When replacing the lamp unit, be sure to hold it by the handle.
- When replacing the lamp because it has stopped illuminating, there is a possibility that the lamp may be broken. If replacing the lamp of a projector which has been installed on the ceiling, you should always assume that the lamp is broken, and you should stand to the side of the lamp cover, not underneath it. Remove the lamp cover gently. Small pieces of glass may fall out when the lamp cover is opened. If pieces of glass get into your eyes or mouth, seek medical advice immediately.
- The lamp contains mercury. Consult your local municipality or your dealer about correct disposal of used lamp units.

Attention

- Do not use other than designated lamp units.
- The part numbers of accessories and separately sold components are subject to change without notice

■ When to replace the lamp unit

The lamp unit is a consumable component. Brightness decreases according to duration of usage, so periodical replacement of the lamp unit is necessary. When the projection lamp of the projector reaches its end of life, the lamp replacement icon appears on the screen and <LAMP> indicator lights yellow. Replace the lamp with a new one promptly.

Lamp runtime	On screen Lamp replacement icon 	LAMP indicator 
Over 2 500 hours*	The message is displayed for 4 seconds. If you press any button within the 4 seconds, the message disappears.	Lights in yellow (even in stand-by mode).
Over 2 700 hours*	If the power is turned on without replacing the lamp, the power automatically turns off after approximately ten minutes to prevent the malfunction of the projector.	

*2 700 hours of use is a rough guideline, but is not a guarantee. The lamp runtime differs depending on the setting of "Lamp power" menu.

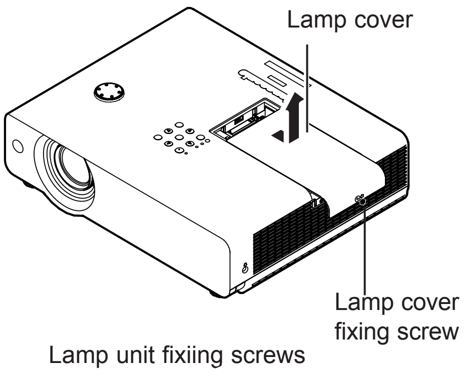
Note

- Allow a projector to cool enough before you open the lamp cover. The inside of the projector can become very hot.
- The Lamp replacement icon will not appear when the [Display] function is set to [Off], or during "Freeze", or "AV mute".

Replacing the lamp unit

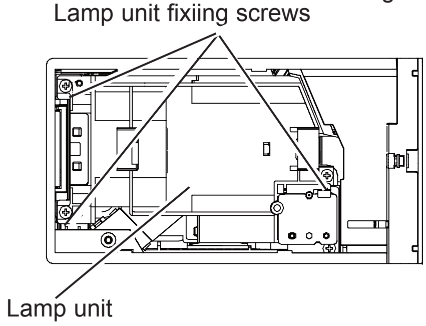
CAUTION:

- When the projector is mounted on a ceiling, do not work with your face close to the projector.
- Attach the lamp unit and the lamp cover securely.
- When you experience difficulty in installing the lamp, remove it and try again. If you use force to install the lamp, the connector may be damaged.



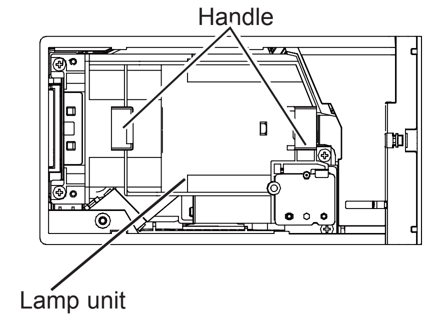
1) Turn off the projector. Unplug the AC power cord. Wait at least 1 hour and make sure the lamp unit and surroundings are cool.

2) Use a Phillips screwdriver to loosen the lamp cover fixing screw and remove the lamp cover.
- Remove the lamp cover by pulling it slowly toward the direction of the arrow.



3) Use a Phillips screwdriver to loosen the three lamp unit fixing screws until the screws turn freely. Hold the used lamp unit by its handles, and pull it gently from the projector.

4) Insert the new lamp unit in correct direction. Tighten the three lamp unit fixing screws securely with a Phillips screwdriver



5) Attach the lamp cover, and tighten the lamp cover fixing screw securely with a Phillips screwdriver.
- Attach the lamp cover by pushing it slowly opposite the direction of the arrow.

Note

- When you replace the new lamp unit, the projector resets the total usage time of the lamp unit automatically.

How to check lamp runtime

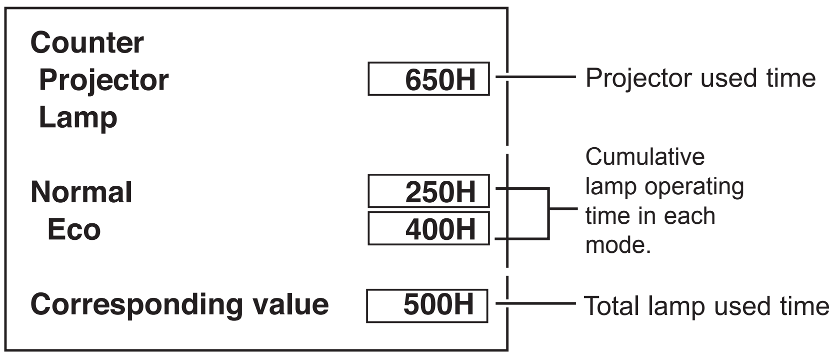
The LAMP indicator will light yellow when the total lamp used time (Corresponding value) reaches 2,500 hours. This is to indicate that lamp replacement is required. The total lamp used time is calculated by using the below expression.

Total lamp used time (Corresponding value) = $T_{normal} + T_{eco} \times 0.625$

T_{normal} : used time in the normal mode
T_{eco} : used time in the eco mode

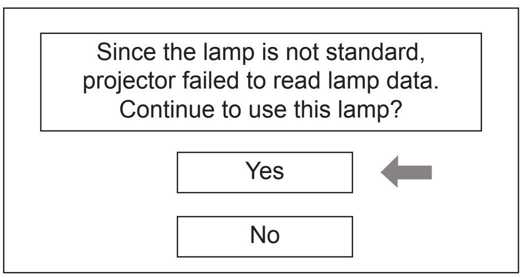
You can check the lamp used time following to the below procedure.

1 Press and hold the ⏻/| button on the projector or the remote control for more than 20 seconds.
2 The projector used time and lamp used time will be displayed on the screen briefly as follows.



Warning message on the non-standard lamp used

If the non-standard lamp is used, the warning and confirmation messages will appear on the screen every startup. Some of the functions are limited when the non-standard lamp is used in spite of the warning.



Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.
Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

Cleaning with air spray

Remove the cabinet top following to “Mechanical Disassembly”. Clean up the LCD panel and polarizing plate by using the air spray from the cabinet top opening.

Caution:
Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.
Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main units following to “Mechanical Disassembly”.
2. Remove the optical base top following to “Optical Unit Disassembly”. If the LCD panel needs cleaning, remove the LCD panel unit following to “LCD panel replacement”.
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

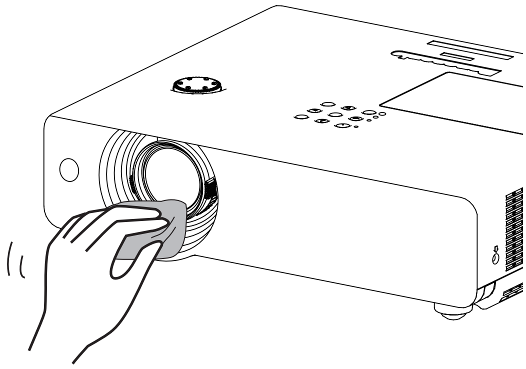
Caution:
The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.
Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

Cleaning the projection lens

Unplug the AC power cord before cleaning.

Gently wipe the projection lens with a cleaning cloth that contains a small amount of non-abrasive camera lens cleaner, or use a lens cleaning paper or commercially available air blower to clean the lens.

Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the lens.

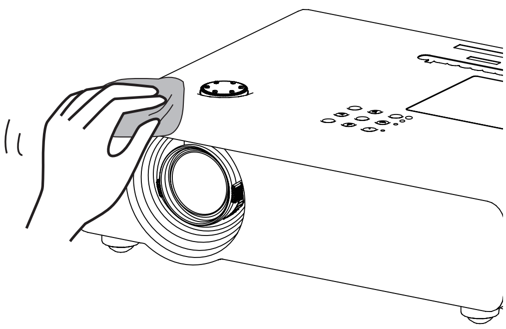


Cleaning the projector cabinet

Unplug the AC power cord before cleaning.

Gently wipe the projector body with a soft dry cleaning cloth. When the cabinet is heavily soiled, use a small amount of mild detergent and finish with a soft dry cleaning cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents or other harsh chemicals might scratch the surface of the cabinet.

When the projector is not in use, put the projector in an appropriate carrying case to protect it from dust and scratches.



Security Function Notice

This projector provides security functions such as "Key lock", "PIN code lock" and "Logo PIN code lock". When the projector has set these security function on, you are required to enter correct PIN code to use the projector. If you do not know the correct PIN code to the projector, the projector can no longer be operated or started. In this case, you must reset those function first according to the resetting procedure described below and then check up on the projector.

Function	Description
Key lock	Locks operation of the top control or the remote control. If the Key lock is enabled with top control lock, the projector can no longer be started. Initial setting: Key lock function is disabled
PIN code lock	Prevents the projector from being operated by an unauthorized person. Initial code: “1234”
Logo PIN code lock	Prevents an unauthorized person for changing the start-up logo on the screen. Initial code: “4321”

Resetting procedure

1 Disconnect the AC power cord from the AC outlet.
2. As pressing the **ENTER** button, connect the AC power cord into an AC outlet again.
3. Keep pressing the **ENTER** button and then press the ⏻/| button.
4. Release the ⏻/| button first and then release the **ENTER** button.
- The PIN code lock and Logo PIN code lock will be reset as the initial PIN code at the factory and the key lock function is disabled.

Please refer to the owner's manual for further information of the security functions.

Standby Mode Notice

This projector provides 2 types of standby mode, Eco standby and Network standby. According to the standby mode "Eco" or "Network", several functions are restricted as shown in the table below. To change the standby mode, use the projector's menu "Setting".

Network .... Supply the power to the network function even after turning off the projector. You can turn on/ off the projector via network, modify network environment, and receive an e-mail about projector status while the projector is powered off.

Eco .... Select “Eco” when you do not use the projector via network. The projector’s network function will stop when turning off the projector.

When "Eco" is selected, several functions will be restricted.

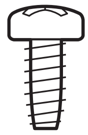
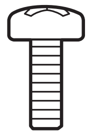
Restricted Function in the standby mode

Function	Eco	Network
Serial command control	✔*1	✔
Network Function	--	✔
Monitor Out	--	✔
Audio Out	--	--
Direct on	✔	✔

*1 Effective only power-on command.

Mechanical Disassembly

Mechanical disassembling flow chart

Screws expression (Type Diameter x Length) mm	
T type	M Type
	

Mechanical disassembly should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.
Caution:
The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

1. Air filter units removal

2. Cabinet top removal

3. MAIN&AV board assy, RC board removal → 3-1. MAIN and AV board removal

4. Fan(FN910) and optical unit removal

5. Fan(FN908), lamp holder and speaker removal → 5-1. Thermal fuse replacing

6. Power box removal

7. Fan(FN907) and duct assy removal → 7-1. Duct and fans removal

8. Fan(FN902) and filter house removal

9. Cable reforming

1. Air filter units removal

1. Pull out the filter covers (back and side).
2. Take out the whole air filter units (back and side).

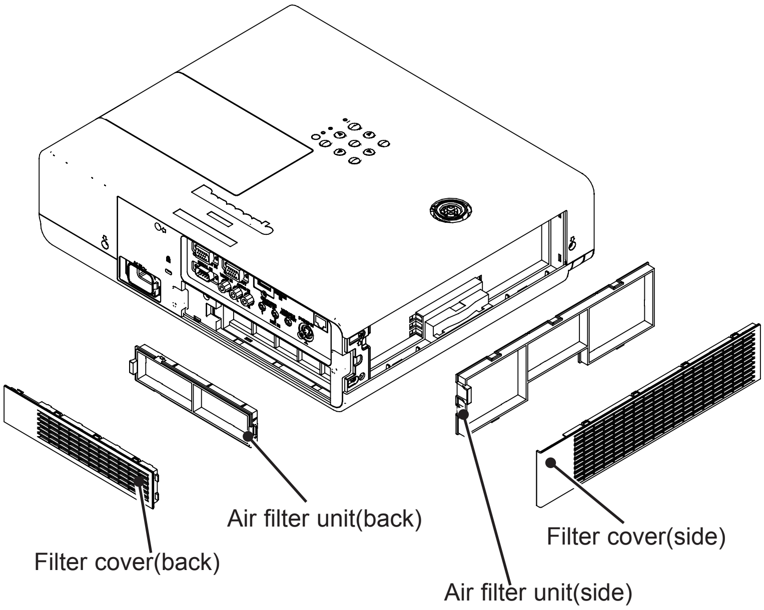


Fig.1

2. Cabinet top removal

1. Loosen 1 screw-A to remove the lamp cover.
2. Remove 8 screws-B (M3x8) and 3 screws C-(T3x10) to remove the cabinet top.
3. Take out the DEC DIAL.

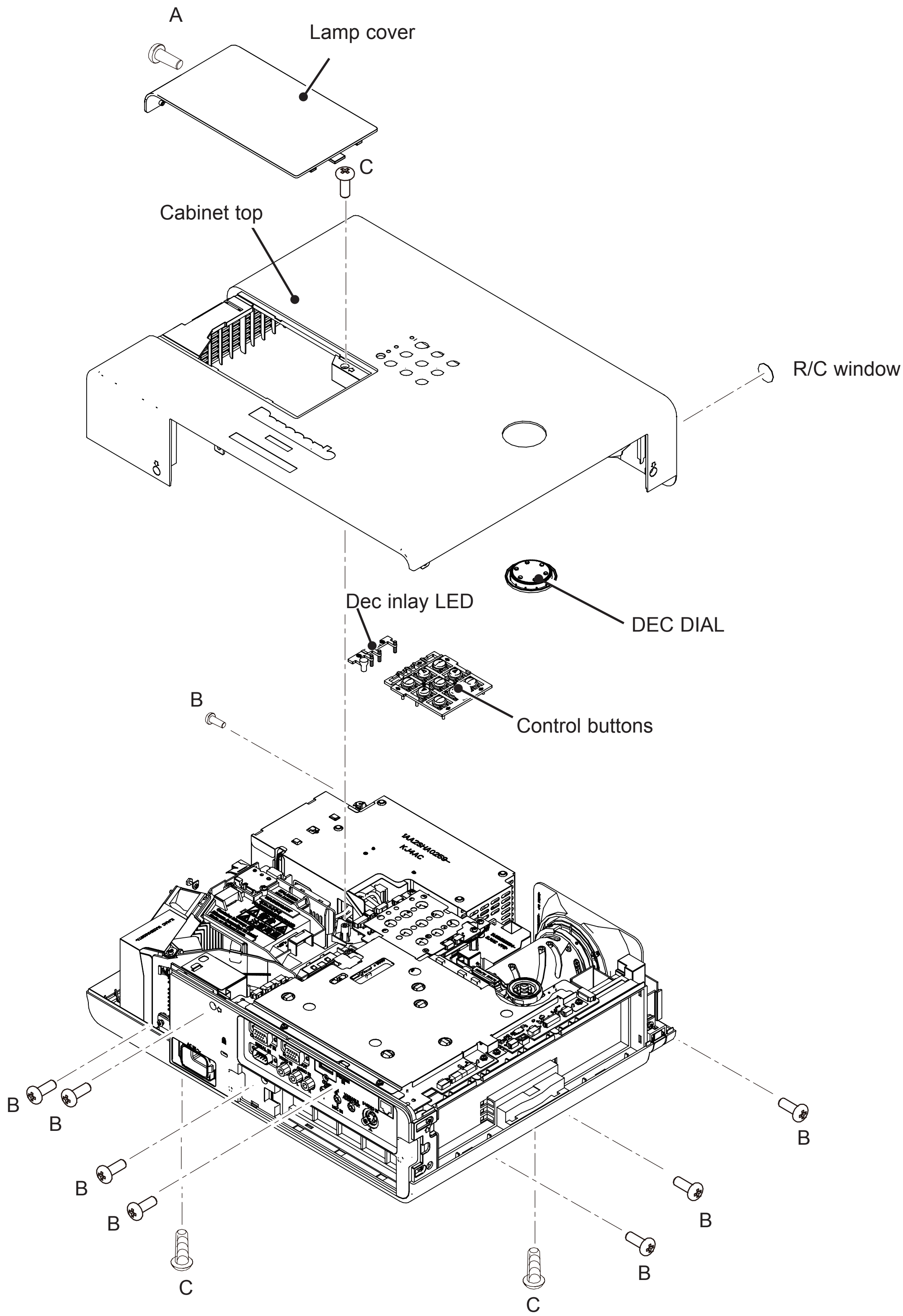


Fig.2

3. MAIN&AV board assy removal

1. Remove 2 screws-A (M3x6) and 5 screws-B (T3x8) to remove the MAIN board shield.
2. Remove 1 screw-C (T3x8) to remove holder DIAL then remove R/C board.
3. Remove 3 screws-D (T3x8) and 2 screws-E (M3x8) to remove the MAIN & AV board assy.

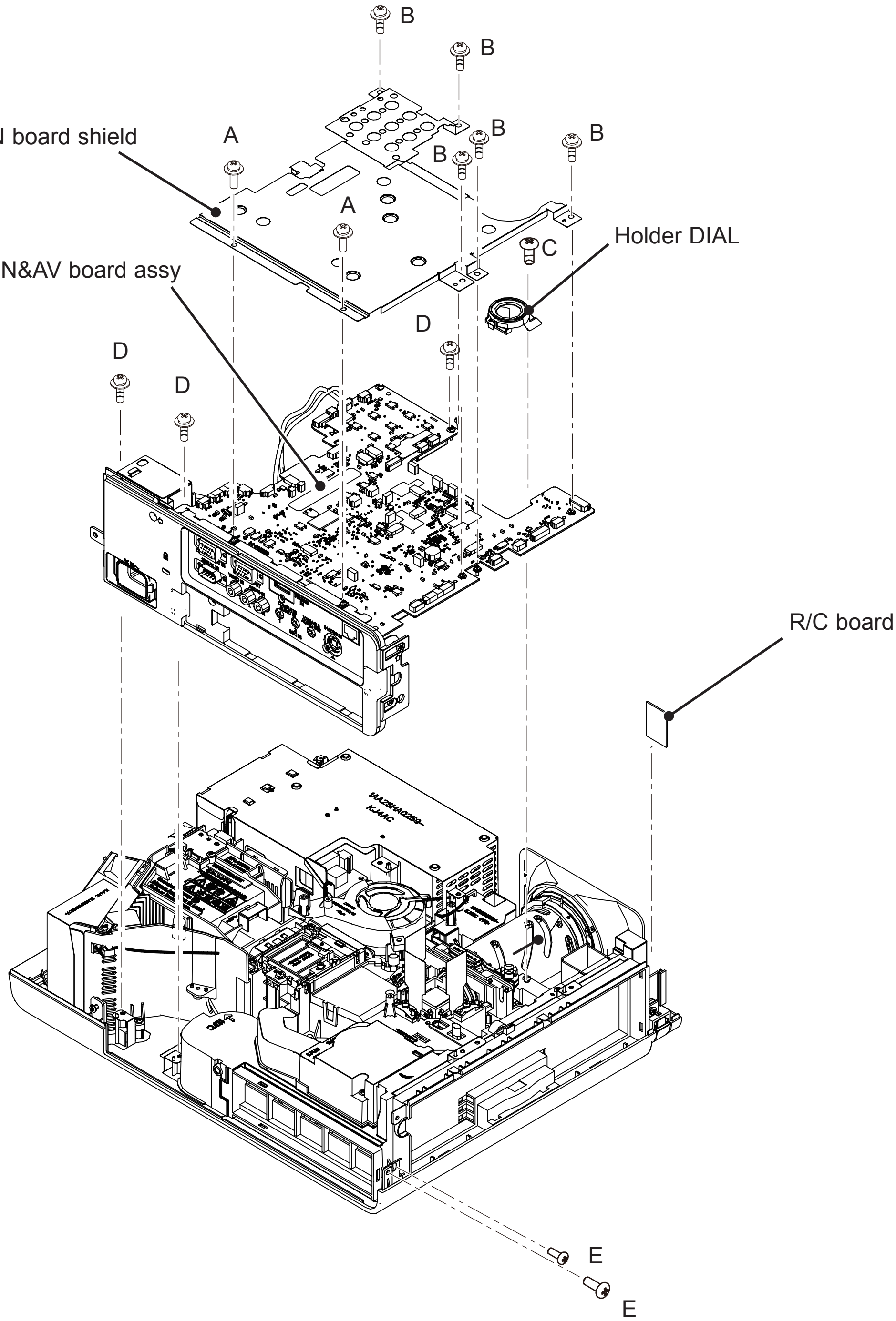
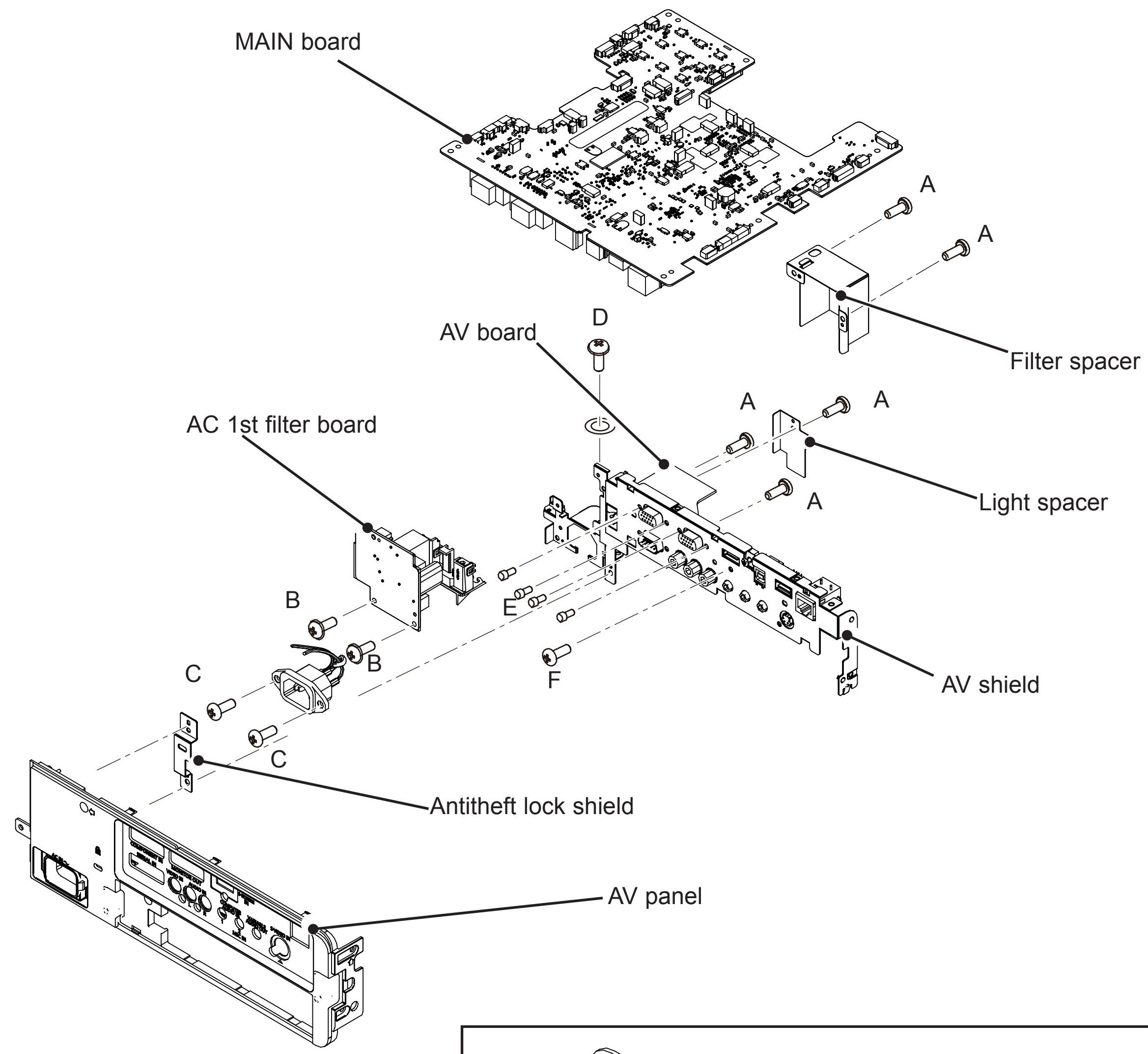


Fig.3

3-1. MAIN and AV board removal

1. Remove 5 screws-A (T3x6) to remove the filter spacer and light spacer and antitheft lock shield, then release the 6 hooks to remove the AV panel.
2. Remove 2 screws-B (M3x6) to remove AC 1ST FILTER board.
3. Remove 2 screws-C (M3x6) and 1 screw-D (M4x6) to remove the AC inlet.
4. Remove 4 hex-screws-E and 1 screw-F (M3x6) to remove the MAIN board.



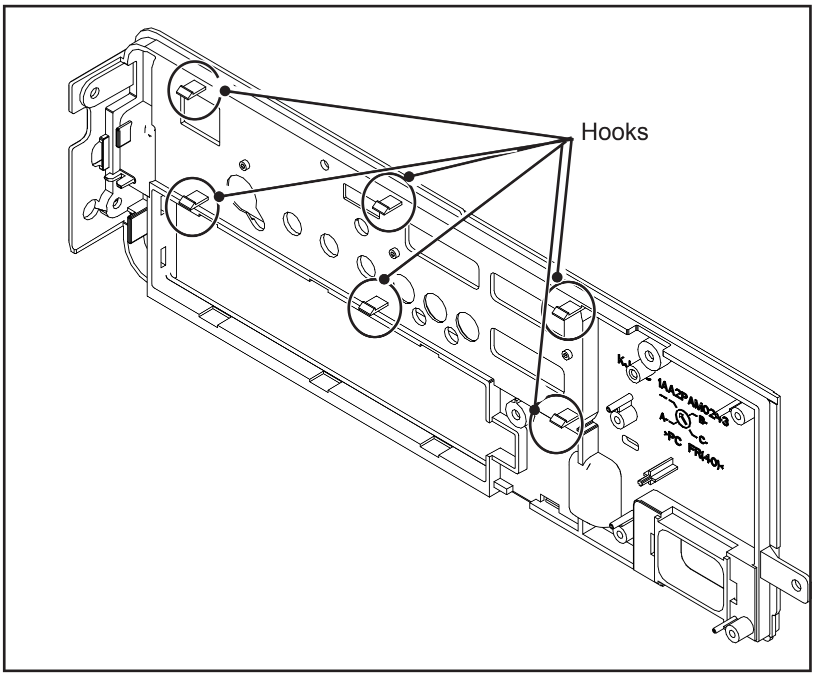


Fig.3-1

4. Fan(FN910), lamp assy(LP900),optical unit removal

1. Remove 3 screws-A(T3x8) to remove the fan(FN910).
   Remove 2 screws-B(T3x8) to remove the DEC ring.
2. Loosen 3 screws-C to remove the lamp assy (LP900).
3. Remove 4 screws-D (T3x8) to remove the optical unit.
4. Remove 3 screws-E (T2.5x8) to remove optical shield and Iris assy.

When removing the iris assy, take the iris with its blades closed. When turning the gear on the iris in the arrow direction, the blades of iris will be closed. Do not touch the blades bacause they are precious parts.

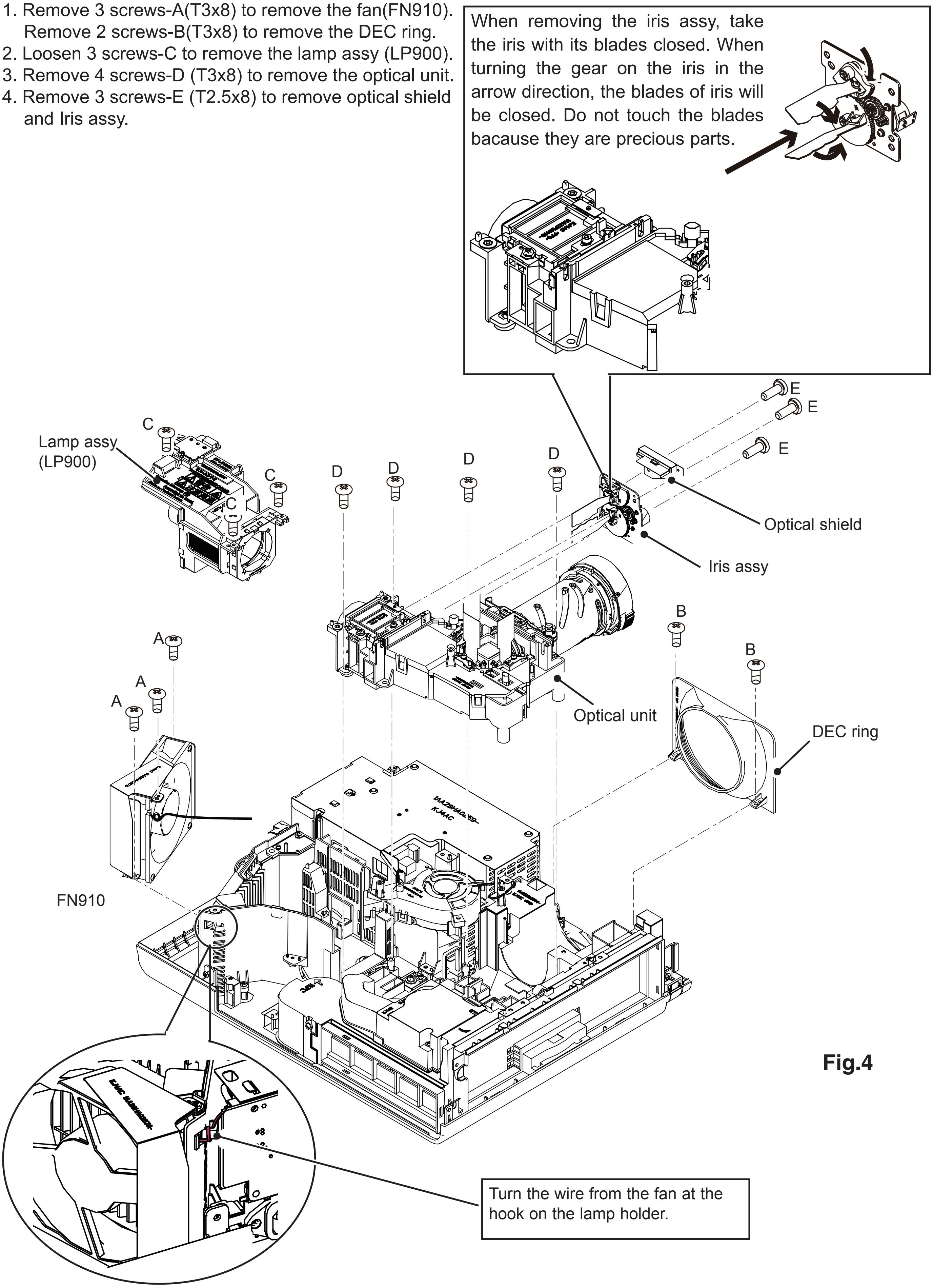
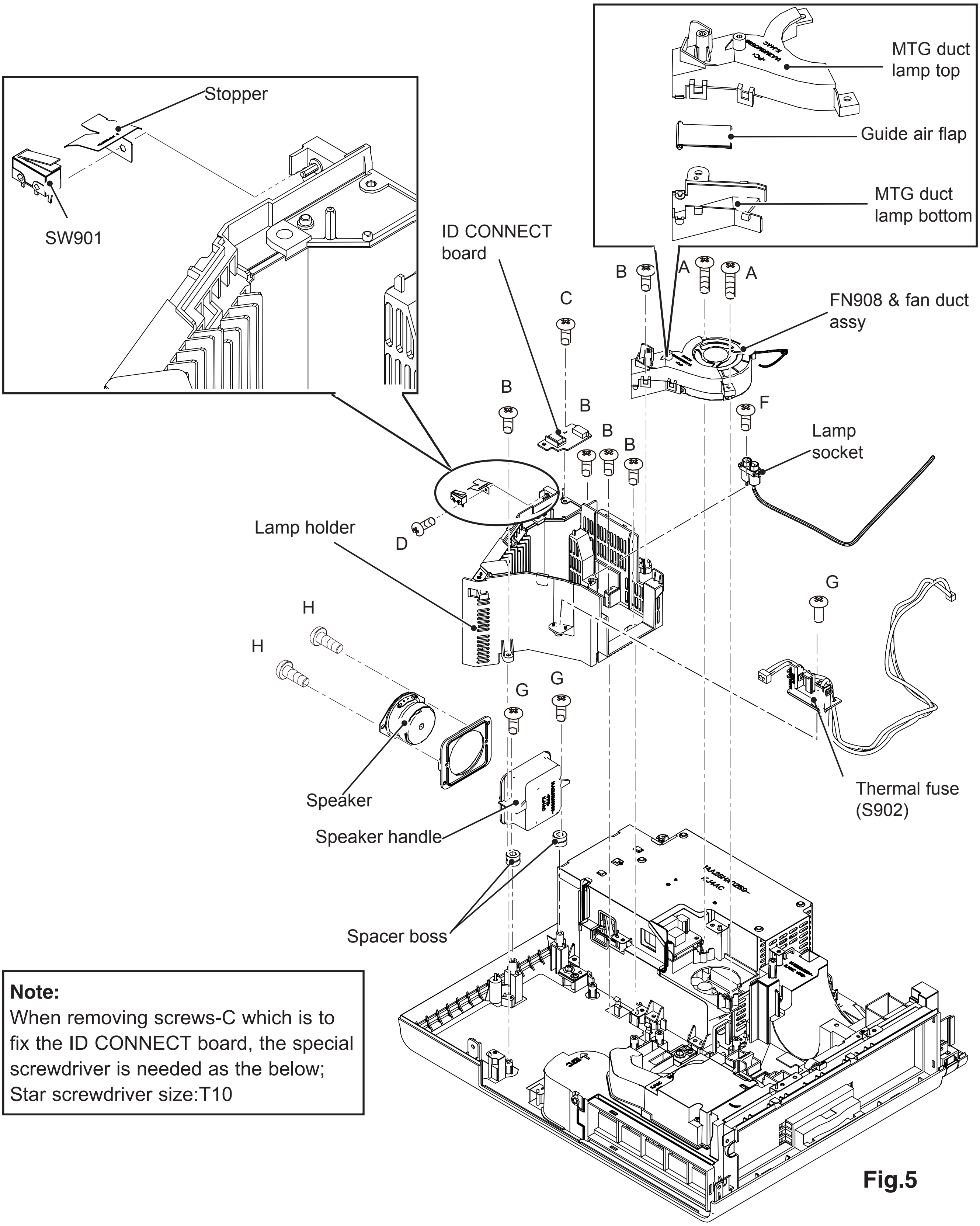


Fig.4

5. Fan(FN908), lamp holder , speaker removal

1. Remove 2 screws-A (T3x12) and 1 screw-B(T3x8) to remove the fan & fan duct assy.
2. Remove 4 screws-B (T3x8) to remove the lamp holder.
3. Remove 1 screw-C (T3x8) to remove the ID CONNECT board and 1 screw-D (T2x10) to remove the lamp cover switch(SW901). Remove 1 screw-E(T3x8) to remove the thermal fuse (SW902). Remove 1 screw-F(T3x8) to remove the lamp socket.
4. Remove 2 screws-G(M3x8) to remove the speaker handle and 2 screws-H (T3x8) to remove the speaker.

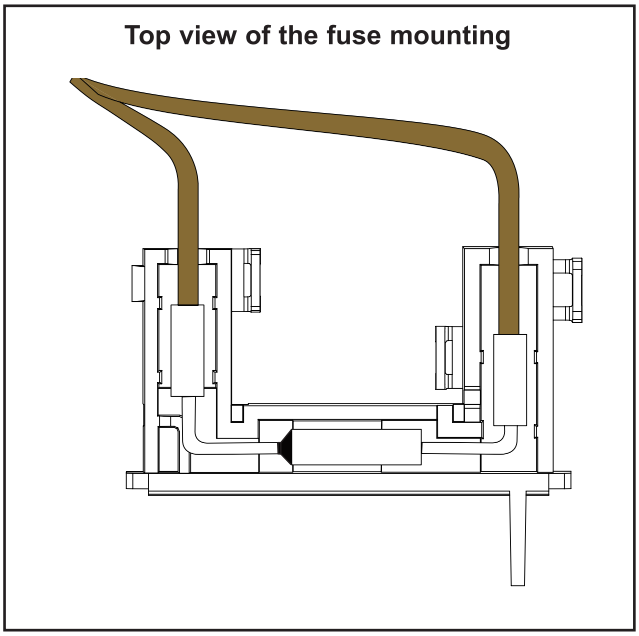


Note:
When removing screws-C which is to fix the ID CONNECT board, the special screwdriver is needed as the below;
Star screwdriver size:T10

Fig.5

5-1. Thermal fuse replacing

1. Remove the thermal fuse spacer from the thermal fuse mounting.
2. Remove the thermal fuse(SW902).
3. Mount the thermal fuses as shown in the figure below.



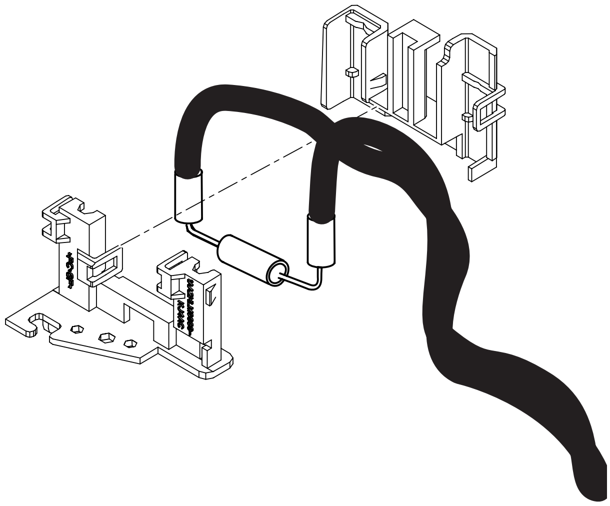


Fig.5-1

6. Power box assy removal

1. Remove 10 screws-A (T3x8) and 1 screw-C(M4x6) to remove the power box assy.
2. Remove 2 screws-D (T3x6) and 2 screws-E (T3x8) to remove POWER board.

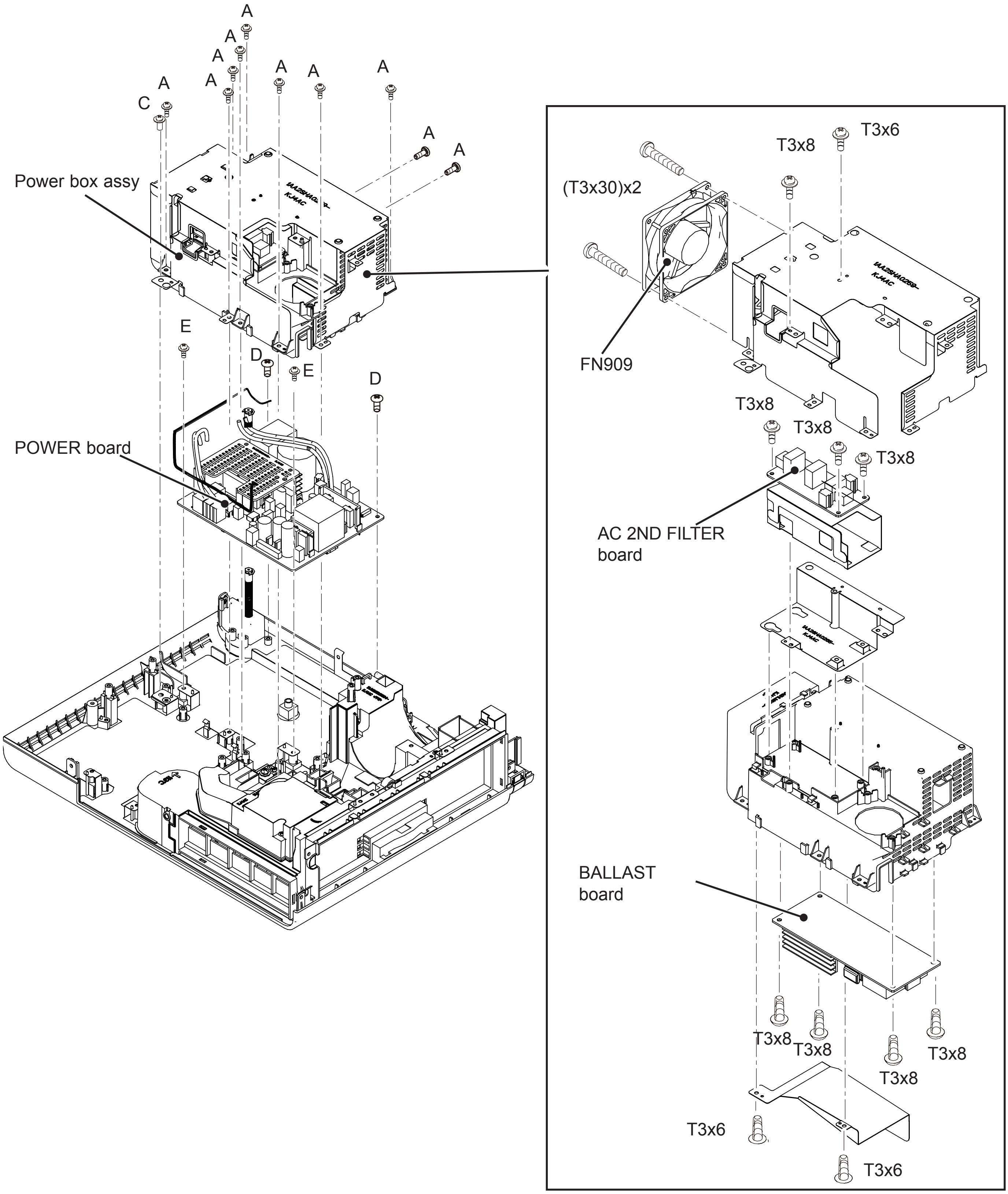


Fig.6

7. Fan(FN907) and duct assy removal

1. Remove 2 screws-A (T3x8) and 1 screw-B (T3x14) to remove the MTG.DCT PBS.
2. Remove 1 screw-C (T3x14) to remove FN907.
3. Remove 3 screw-D (T3x10) and 4 screws-E(T3x8) and 1 hook F to remove MTG DCT LCD.

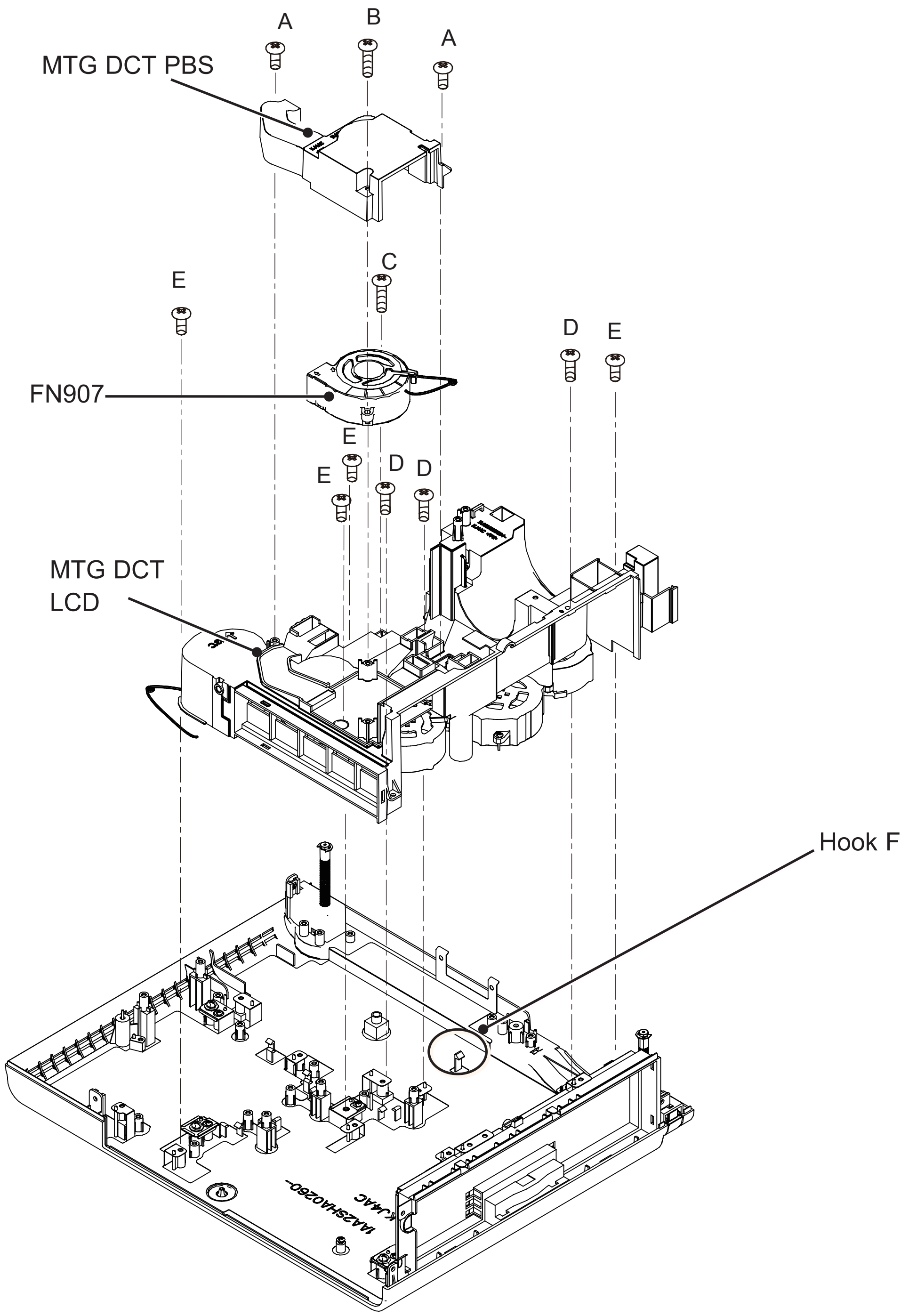


Fig.7

7-1. Duct and fans removal

1. Loosen 8 hooks to separately remove the MTG DCT PBS and MTG DCT LCD.
2. Remove 6 screws-A (T3x12) to remove the FN906,FN905,FN903 and FN901.
3. Pull out the spacer sheet DCT LCD, then remove 2 screws-B (T3x12) to
   remove the FN904.

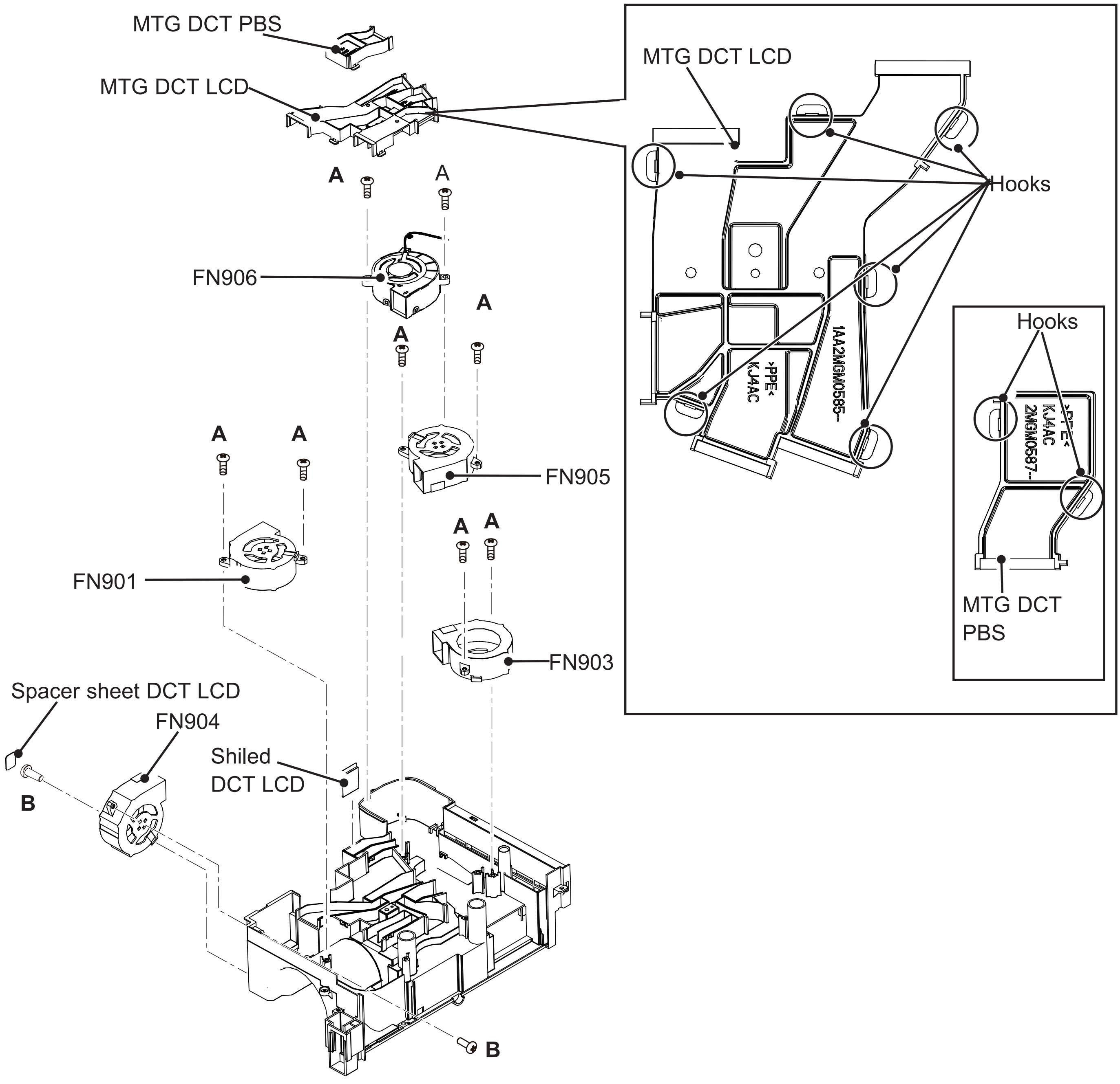


Fig.7-1

8. Fan(FN902) and filter house removal

1. Remove 2 screws-A (M4x6) and 1 screw-B(T3x8) to remove the filter house.
2. Remove 2 screws-C (T3x12) to remove the fan (FN902).

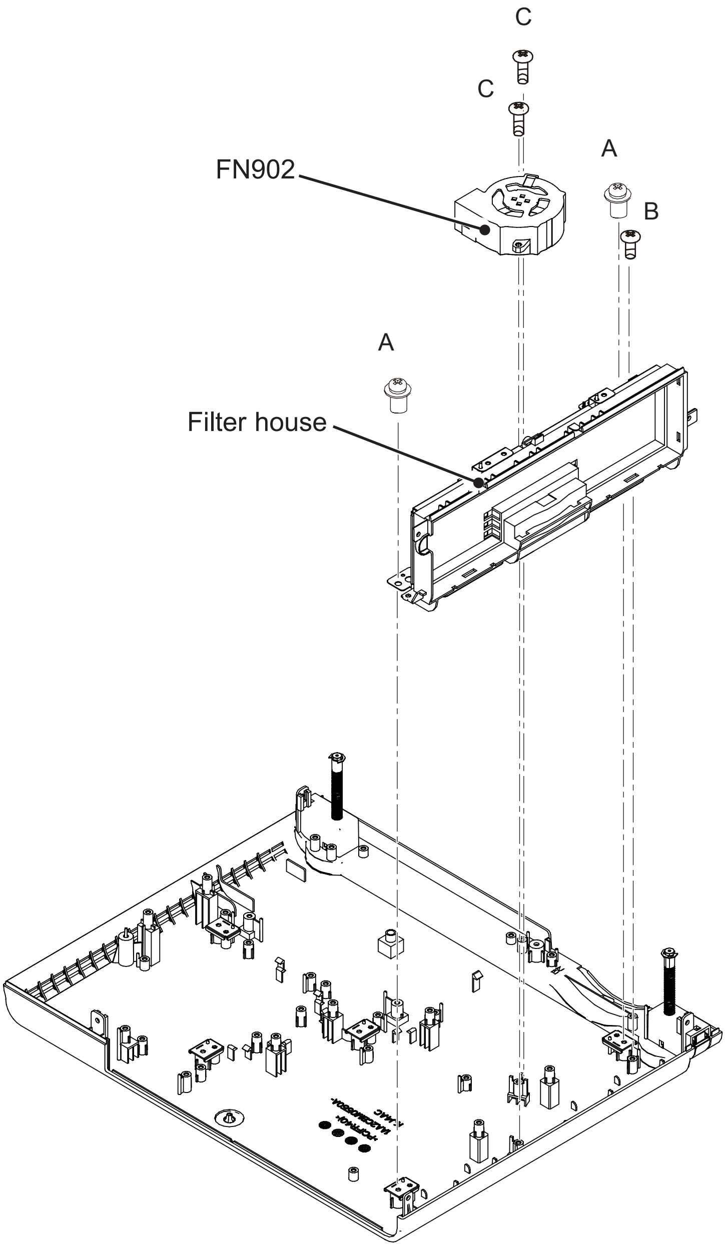
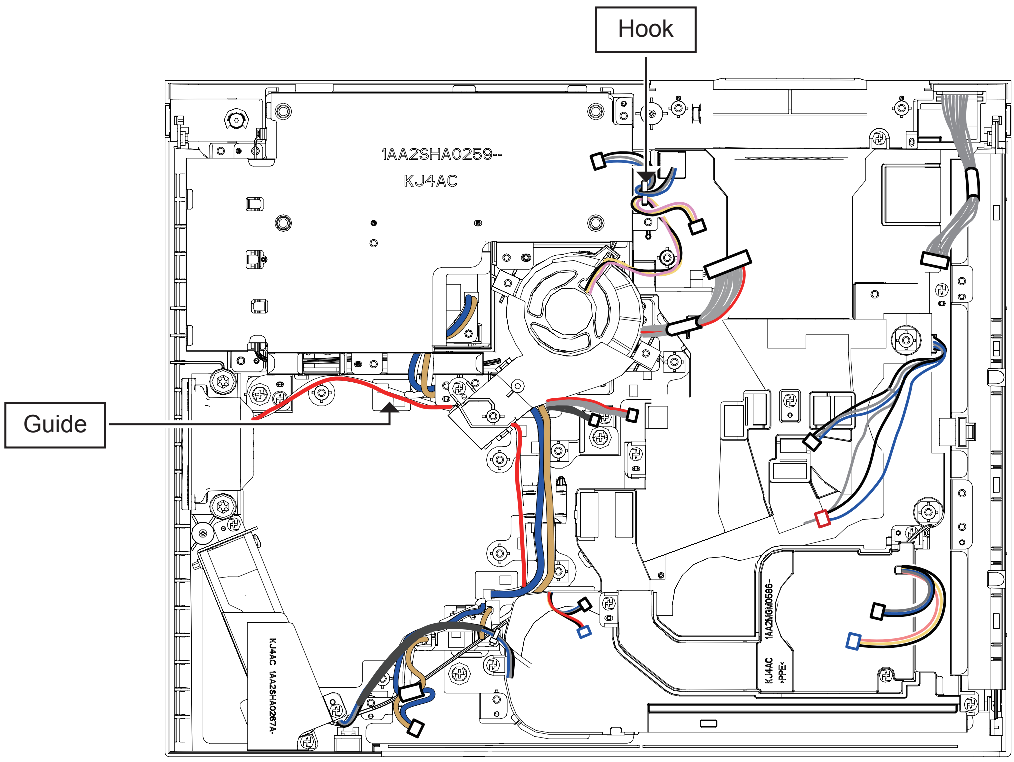


Fig.8

9. Cable reforming

Reform the cables as shown in the figure below. Place the cables at the original position after replacing the parts.



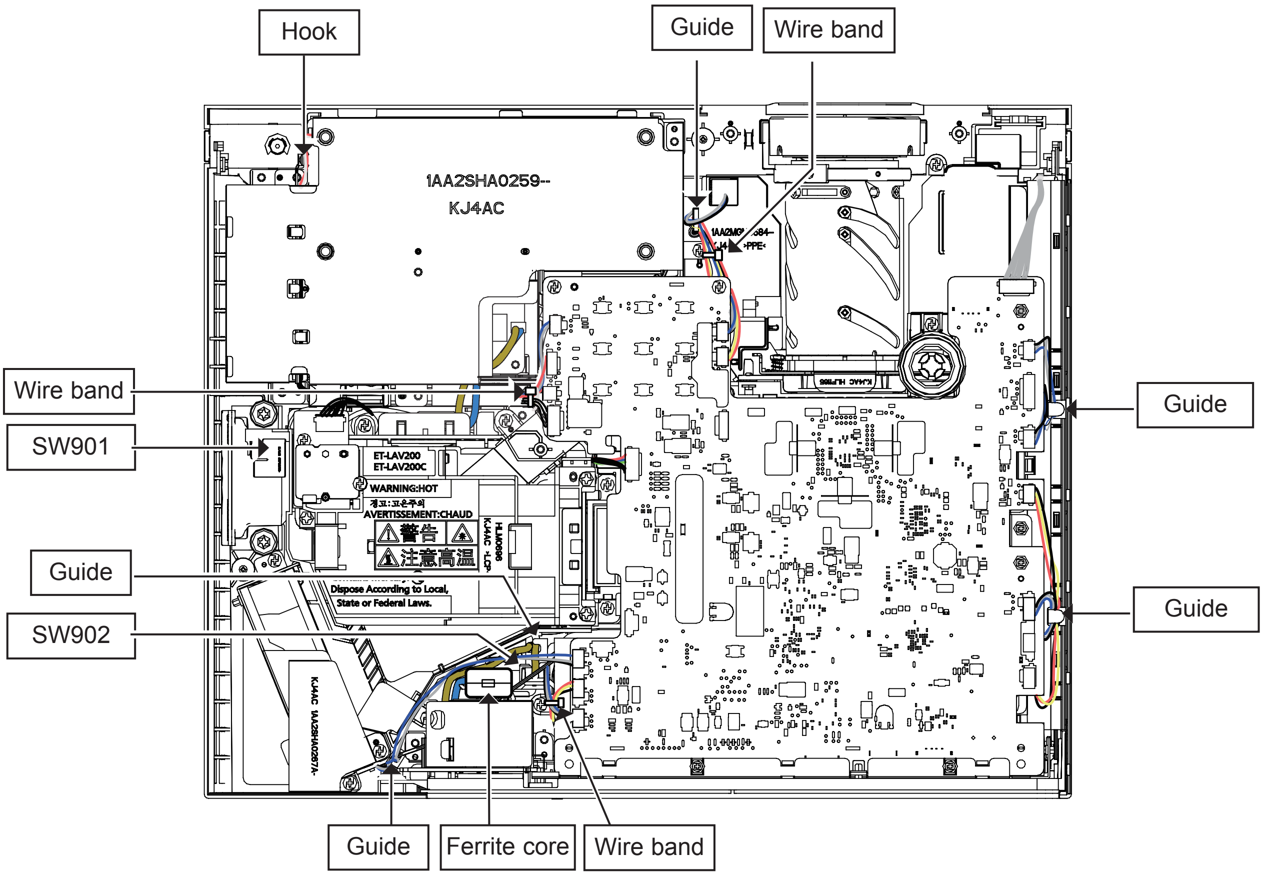


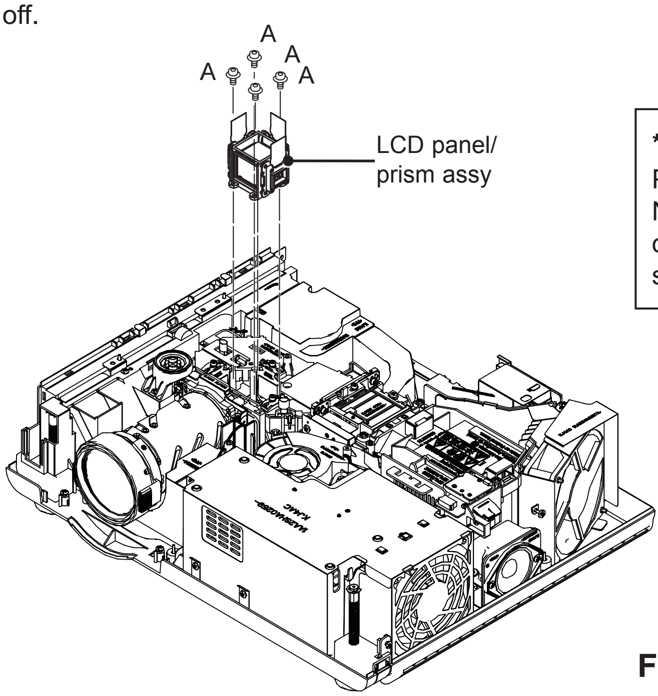
Fig.9

Optical Parts Disassembly

Before taking this procedure, remove Cabinet Top and MAIN Board following to the “Mechanical Disassembly”. Disassembly requires a 2.0mm hex wrench.

1. LCD panel/prism assy removal

1. Remove 4 hex-screw A (M2.5x7.8) to take the LCD panel/prism assy upward off.



***Note on handling the LCD panel/prism assy**
Polarized glasses are very sensitive parts.
Never touch or wipe the surface. When removing the dust on the surface, use a commercial (inert gas) air spray to remove them.

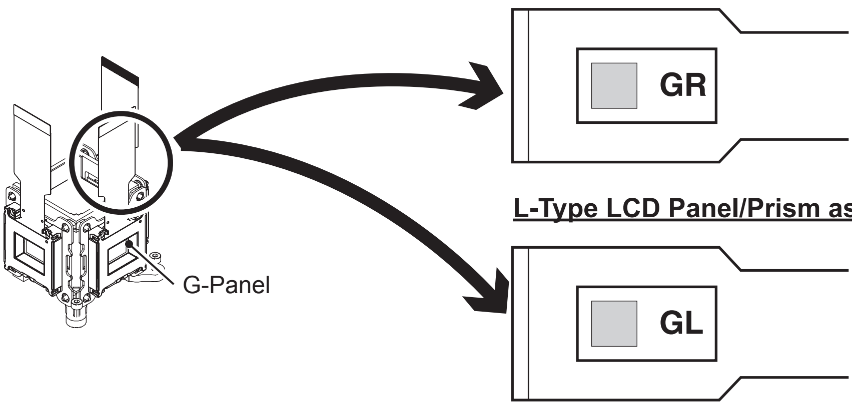
Fig.1

LCD panel type check

There are 2 types of LCD panel/prism assy for this model. Either L-type or R-type LCD panel/prism assy is used on the projector. Check which type of LCD panel/prism assy is used with the figure below.
When replacing the LCD panel/prism assy, you need to take "Panel type check and setting" on the electrical adjustment for the replaced LCD panel/prism assy.
The gamma-characteristics are different between L-type and R-type LCD panel/prism assy.

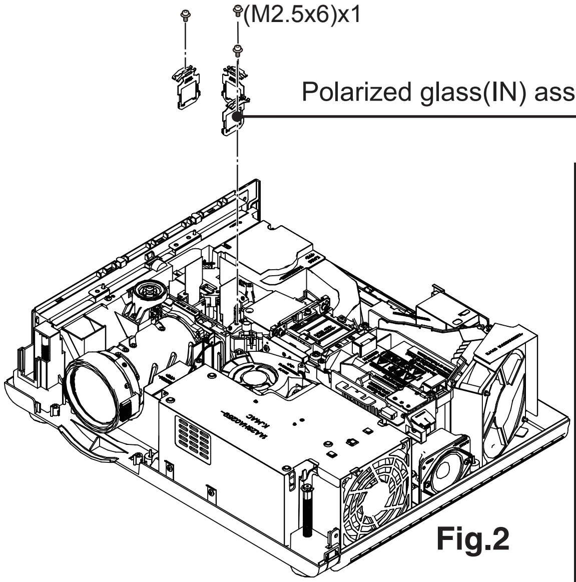
How to check the type of LCD panel assy

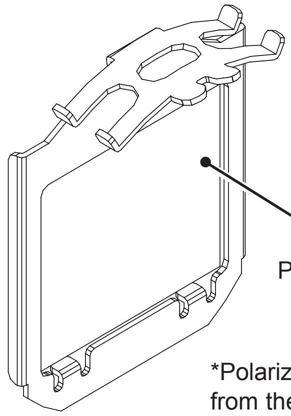
Check the printed marker on the flat cable of the G-LCD Panel.
GR --> R-type LCD panel/prism assy
GL --> L-Type LCD panel/prism assy



IMPORTANT NOTICE on LCD panel/prism assy replacement
LCD panels used for this model cannot be replaced separately. Do not disassemble the LCD panel/prism assy. These LCD panels are installed with precision at the factory. When replacing the LCD panel, should be replaced whole of the LCD panels and prism assy at once.
When replacing LCD panel/prism assy, take the optical and electrical adjustments following to the chapter "Adjustment".

2. Polarized glass(IN) assy removal





***Note on handling the polarized glass**
Polarized glass-in are very sensitive parts. Never touch or wipe the surface. Grab the mounting base when handling the polarized glass assy. When removing the dust on the surface, use a commercial (inert gas) air spray to remove them. Never use organic solvents.

3. Projection lens removal

Note: The optical unit should be removed from the cabinet bottom before removing the projection lens.

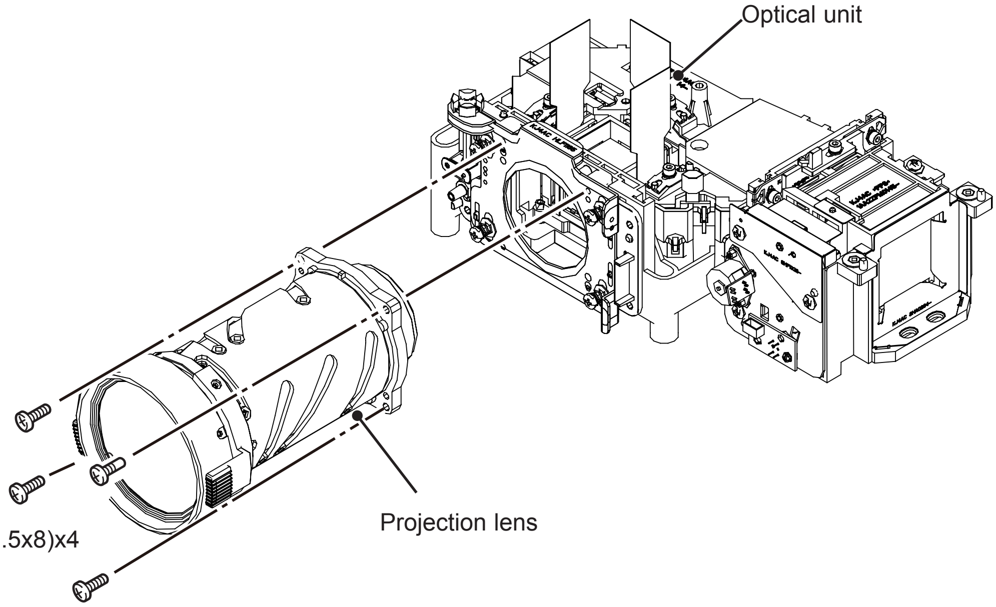


Fig.3

4. Condenser lens (OUT) removal

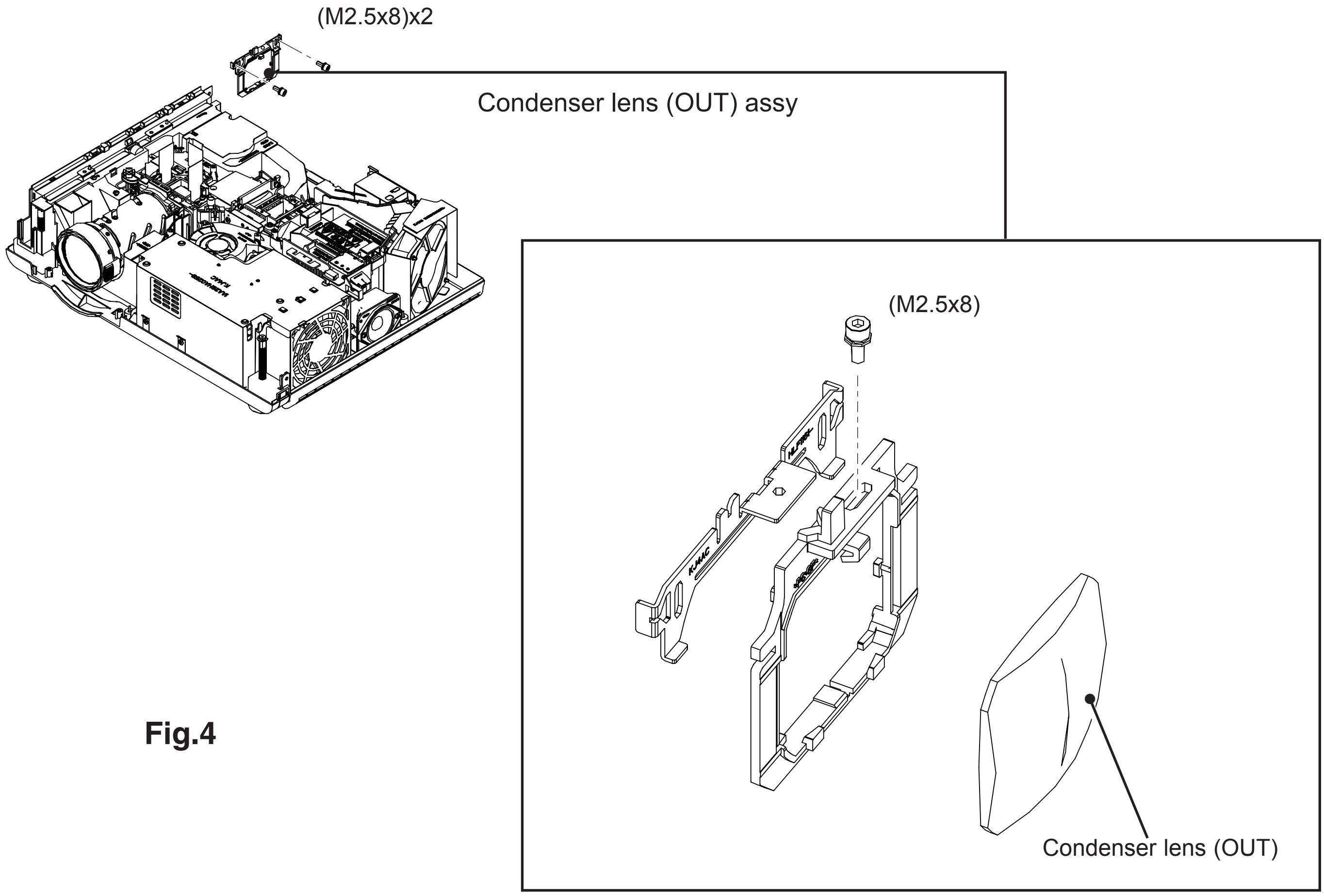


Fig.4

5. PBS and Integrators removal

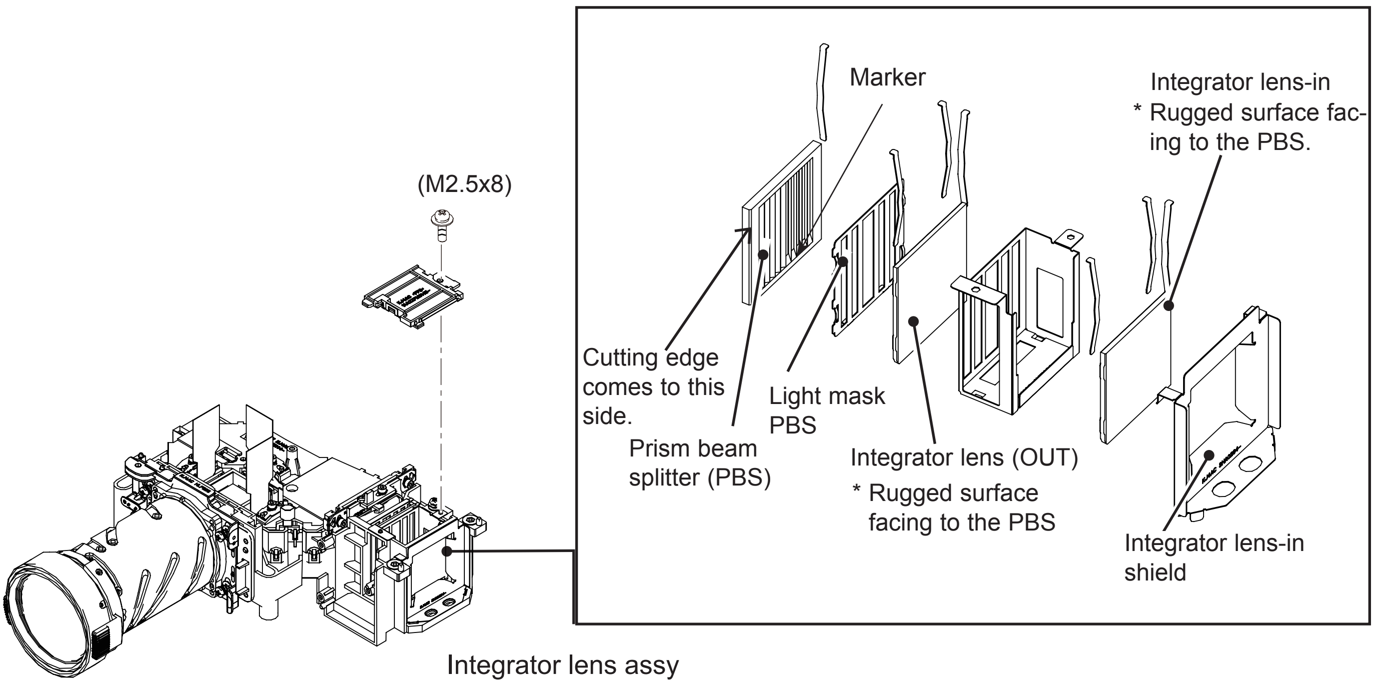
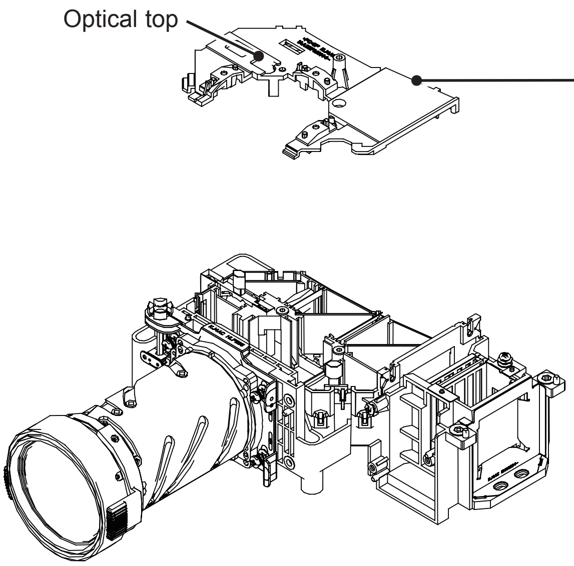


Fig.5

6. Optical unit top removal



Unhook 4 hooks to remove the Optical Unit Top.

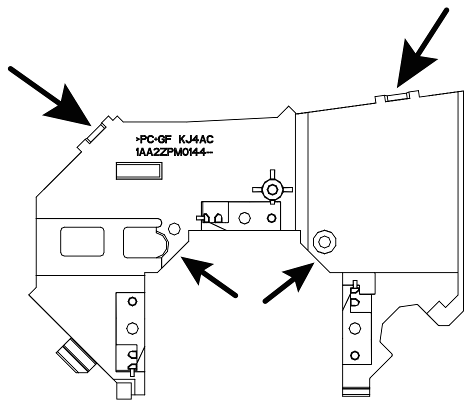


Fig.6

7. Locations and directions

When mounting or assembling the optical parts in the optical unit, the parts must be mounted in the specified location and direction as shown in figure below.

No.	Parts Name
1	Dichroic mirror (B)
2	Dichroic mirror (G)
3	Condenser lens (G)
4	Mirror (R)
5	Relay lens (IN)
6	Mirror (B) *
7	Optical filter(IR)
8	Relay lens (OUT) *

Note:
The parts indicated with * are fixed with adhesive and cannot be replaced individually.

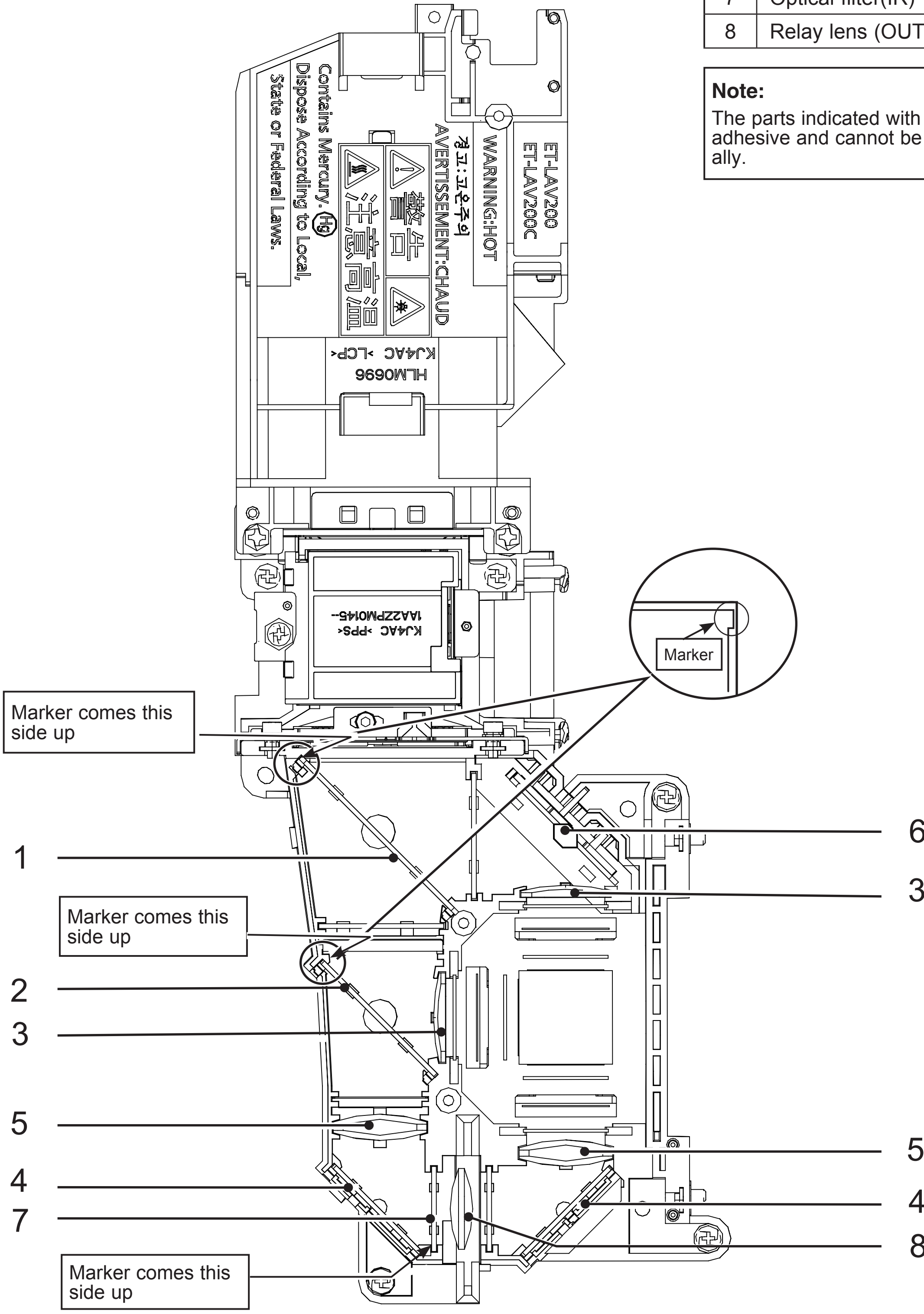


Fig.7

Servicing Notice

Note on the MAIN board replacement

Take the following workings when the MAIN board is replaced.

1.EEPROM data transfer

Each of the adjustment data (electrical adjustment data, serial number, projector's, filter usage time, user control setting value, etc.) is stored in memory IC(IC1371) on the MAIN board. After replacing the MAIN board, perform the data transferring by using the software [NVReadWrite v1.0.0.0]. For further details, refer to the operation manual of the software.
The data which can be set by this software includes "Serial number" and "Model no." setting below. Follow each setting procedure if the individual setting is needed.

Serial number setting

The data of serial number is stored in memory IC (IC1371) on the MAIN board.
After replacing the MAIN board, perform the work below to restore the serial number.
• Use the serial no. setting tool to write the correct serial no. referring to the serial no. (S/N) printed on the rating label. For further details, refer to the operation manual of the software [SERIAL NO. SETTING TOOL V1.00].

Model no. setting

The data of projector's model no. is stored in both memory IC (IC1371) on the MAIN board.
After replacing the MAIN board, perform the work below to restore the model number.

1. Enter the service mode.
2. Select the group "430 ~ 437" and No. "1", change the data value from "0" to "10". Refer to table below. The data value will return to "0" after setting.
3. To check the setting, select each group and No. "0" and check its value with table below.

How to enter the service mode, or set the group. No. and data, refer to the item "Service adjustment menu operation".

Model no. setting

Model no. setting	Group	No.	Data
Not defined	430	0	✻ (refer to table right)
		1	0 -> 10
PT-VW430 PT-VX500	431	0	✻ (refer to table right)
		1	0 -> 10
PT-VW430U PT-VX500U	432	0	✻ (refer to table right)
		1	0 -> 10
PT-VW430E PT-VX500E	433	0	✻ (refer to table right)
		1	0 -> 10
PT-VW430EJ PT-VX500EJ	434	0	✻ (refer to table right)
		1	0 -> 10
PT-VW430EA PT-VX500EA	435	0	✻ (refer to table right)
		1	0 -> 10
PT-VW430EAJ PT-VX500EAJ	436	0	✻ (refer to table right)
		1	0 -> 10
PT-BW43C PT-BX50C	437	0	✻ (refer to table right)
		1	0 -> 10
PT-VX501EA	439*	0	✻ (refer to table right)
		1	0 -> 10
PT-BX51C	440*	0	✻ (refer to table right)
		1	0 -> 10
PT-VX501U	443*	0	✻ (refer to table right)
		1	0 -> 10

Model no. checking

Data	Model no.
0	Not defined
1	PT-VW430/PT-VX500
2	PT-VW430U/PT-VX500U
3	PT-VW430E/PT-VX500E
4	PT-VW430EJ/PT-VX500EJ
5	PT-VW430EA/PT-VX500EA
6	PT-VW430EAJ/PT-VX500EAJ
7	PT-BX43C/PT-BX50C
8*	Not defined
9*	PT-VX501EA
10*	PT-BX51C
11*	Not defined
12*	Not defined
13*	PT-BX501U

*(Only for model:PT-VX500)

2. Adjustment data setting

This projector stores " Color shading correction data" and "Gamma correction data" in the memory IC (IC801) on the MAIN board. Those adjustment data have been setup according to the optical characteristics of the mounted LCD panels preciously in the factory. When replacing the MAIN board, you need to read out the those setting data stored in the memory IC on the previous MAIN board and write down them into the memory IC on the new MAIN board by using the software [PROJECTOR SERVICE TOOL v4.20]. By the way, it enables the projector to reproduce the picture which has properly adjusted color shading correction, gamma correction. For further details, refer to the operation manual of the software [PROJECTOR SERVICE TOOL v4.20].
Note:
"Color shading correction data" and "Gamma correction data" cannot be read out or wrote in by the software [NVRead-Write]

The NVRedWrite v1.0.0.0, projector service tool v4.20 and serial no. setting tool v1.00 can be downloaded from the projector service web site.

3. EDID IC replacement

The serial number is also stored in the EDID memory (IC1051). After replacing the MAIN board, remove it on the privious MAIN board and replace it on the new board since this data in the EDID memory cannot be rewritten by using the software.

Adjustments

Adjustments after parts replacement

● : Adjustment necessary ❍ : Check necessary

		Disassembly / Replaced parts						
		LCD/ prism assy	Condenser lens (OUT)	Polarized glass			Power board	MAIN board
				R	G	B		
Optical Adjustments	Contrast adjustment	❍		●	●	●		
	Optical center adjustment	❍	●					
Electrical Adjustments	Fan voltage adjustment						●	●
	Panel type check and setting	●						●
	Auto calibration adjustment [PC]							❍
	Auto calibration adjustment [Component]							❍
	Auto calibration adjustment [Video]							❍
	Common center adjustment	●						●
	Gamma shipment data adjustment *							●
	Color shading correction adjustment *	❍		❍	❍	❍		❍
	Keystone offset adjustment							●

* To setup or adjust those items, the Projector Service Tool v. 4.20 software is needed. Refer to the owner's manual for this software for the further details.

Optical Adjustments

Before taking optical adjustments below, remove the cabinet top following to the “Mechanical Disassembly”.
Adjustments require a 2.0mm hex wrench and a slot screwdriver.
Note: Do not disconnect connectors on the MAIN board, because the projector cannot turn on due to operate the power failure protection.

WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING

CAUTION: To prevent suffer of UV radiation, those adjustment must be completed within 25 minutes.

Contrast adjustment

[Before Adjustment]
- Input a 100% of black raster signal.

1 Loosen 3 screws-**A (Fig.1)** on the polarized glass mounting base.
2 Adjust the slot **B** to obtain the darkest brightness on the screen by using a slot screwdriver.
3 Tighten the 3 screws-**A** to fix the polarized glass mounting base.

Repeat steps 1 to 3 for remaining polarized glasses.
-This adjustment should be taken in order of G-panel, R-panel and B-panel.
-This adjustment should be performed in the darkest room to improve the precision of adjustment.

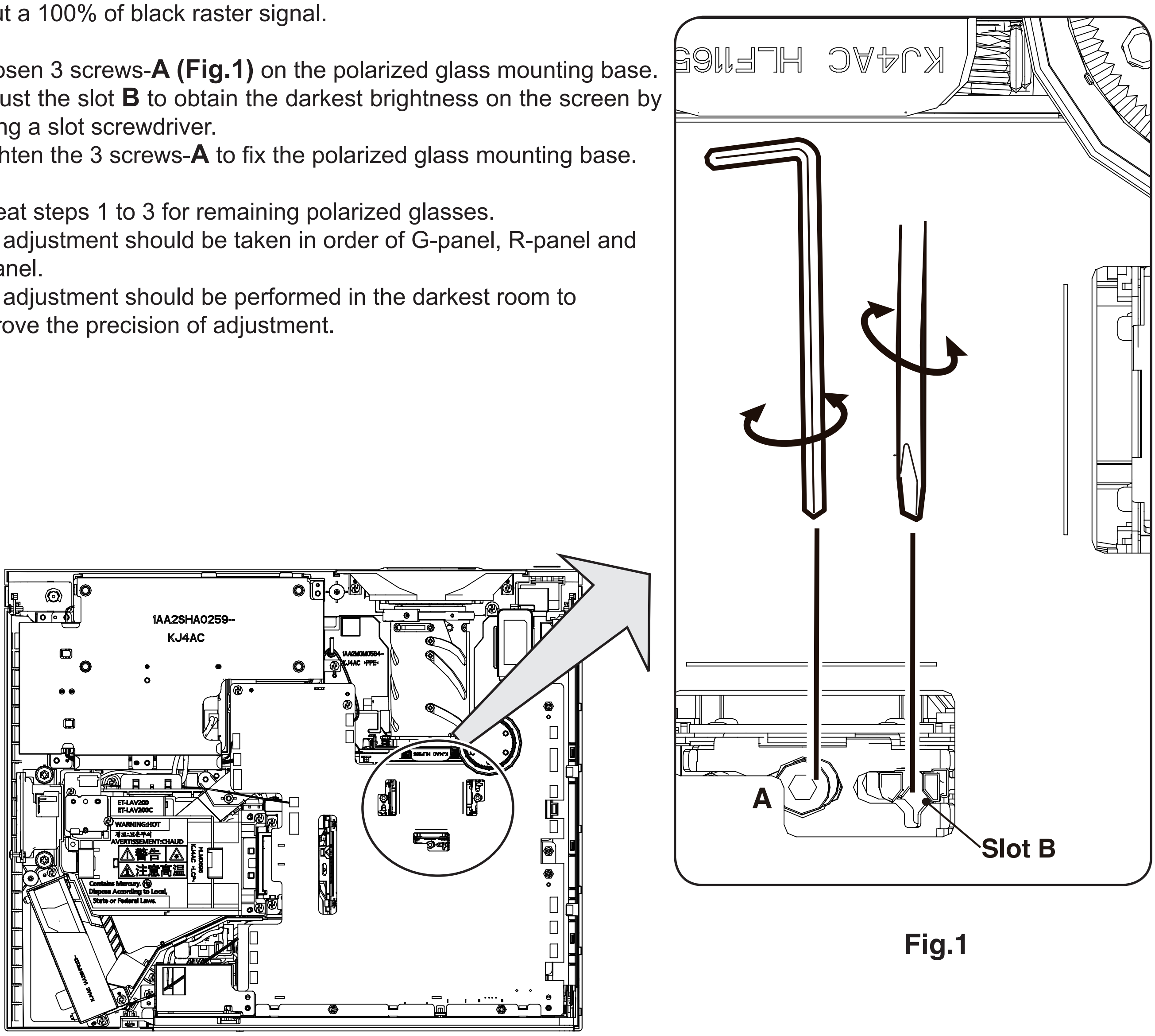


Fig.1

Optical center adjustment

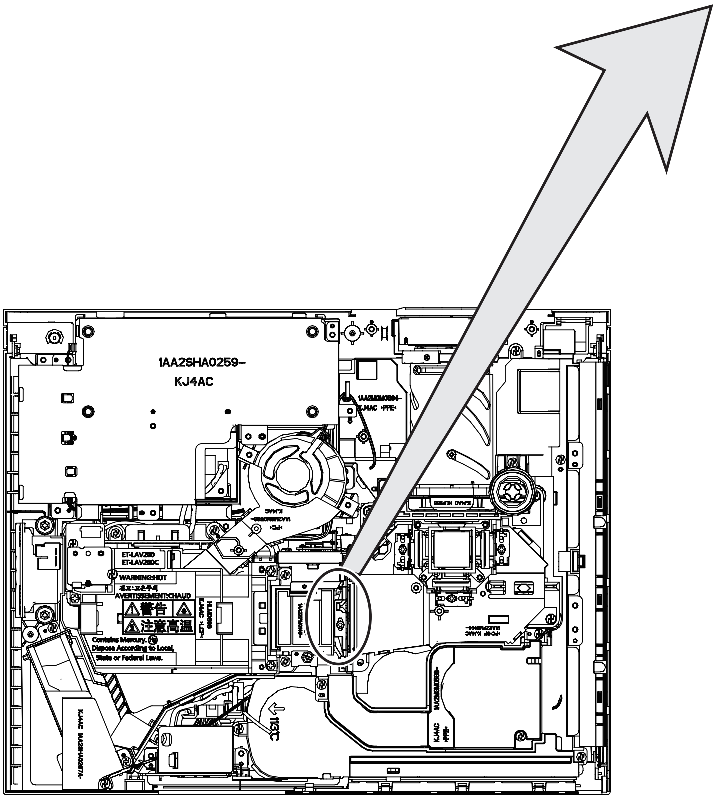
[Before Adjustment]

- Input a 100% of white raster signal.

1 Adjust the adjustment base of condenser lens out assy to make color uniformity in white.

1) If the shading appears on the left or right of the screen as shown in **Fig.2-1**, loosen 1 screw **A** , and adjust the slot **B** to make color uniformity in white by using a slot screwdriver.
2) If the shading appears on the top or bottom of the screen as shown in **Fig.2-2**, loosen 2 screws **C**, and adjust the slots **D** to make color uniformity in white by using a slot screwdriver.

2 Tighten screws **A** and **C** to fix the condenser lens out unit.



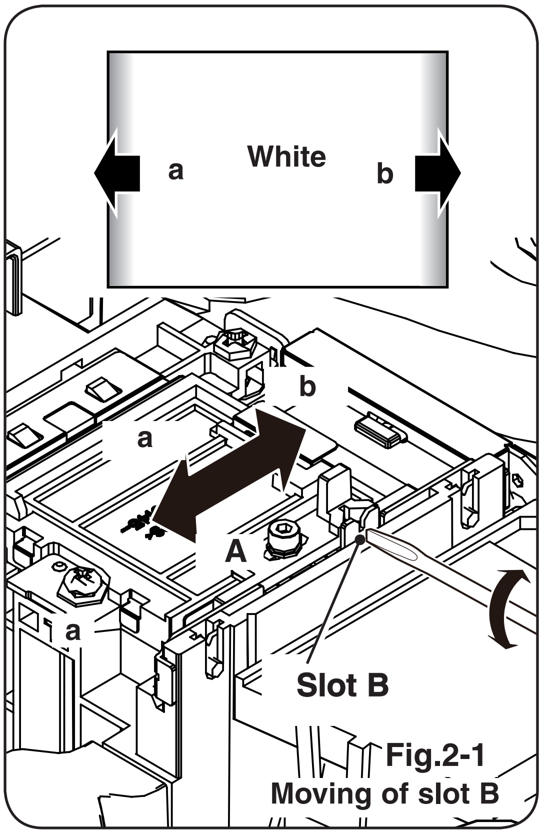


Fig.2-1
Moving of slot B

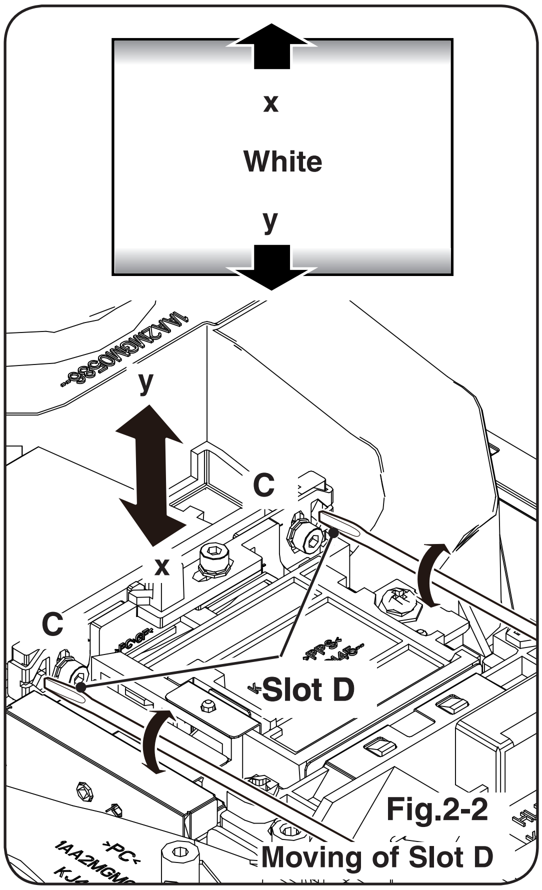


Fig.2-2
Moving of Slot D

Electrical Adjustments

Service adjustment menu operation

To enter the service mode

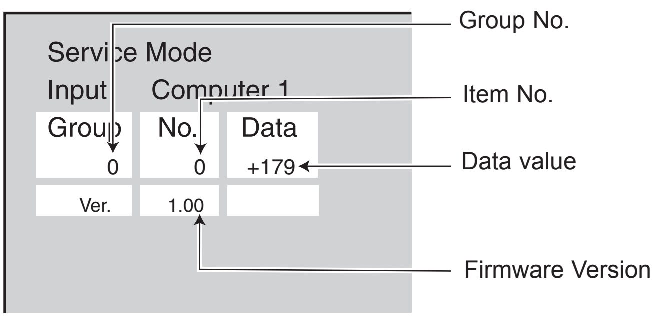
To enter the "Service mode", press and hold the **MENU button** and **ENTER button** on the projector for more than 3 seconds or press and hold the **MENU button** on the remote control for more than 20 seconds. The service menu appears on the screen as follows.

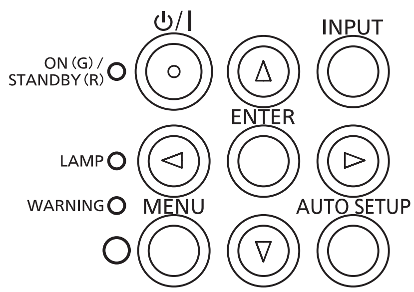
To adjust service data

Select the adjustment group no. by pressing the **MENU button** (increase) or **ENTER button** (decrease), and select the adjustment item no. by pressing the pointer ▲ or ▼ **button**, and change the data value by pressing the ◀ or ▶ **button**. Refer to the "Service adjustment data table" for further description of adjustment group no., item no. and data value.

To exit the service mode

To exit the service mode, press the ⏻/| **button**.





Circuit adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety. Before adjustment, please turn on the projector for more than ten minutes.

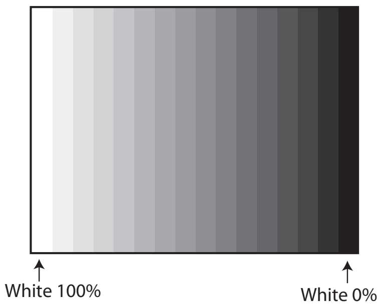
WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.

CAUTION:
To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

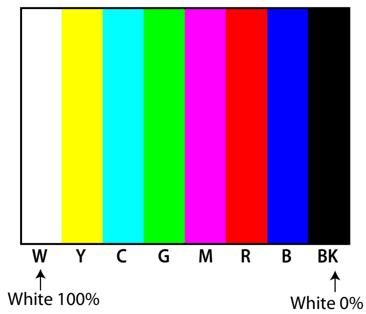
[Adjustment Condition]

- Input signal
  Computer signal.........................0.7Vp-p/75Ω terminated (XGA)
  Video signal ....1.0Vp-p/75Ω terminated (Composite video signal)
  Component video signal ....1.0Vp-p/75Ω terminated (Component video signal) (480i)

16 steps gray scale pattern



8 color 100% full color bar



- Image mode ....Standard
- Lamp power ....Normal

Note:
* Please refer to "Service adjustment menu operation" for entering the service mode and adjusting the service data.

1. Fan voltage adjustment

Equipment Digital voltmeter

1. Enter the service mode.
2. Adjust the voltage on each test point by changing the data values of Group - No.

Group - No.	Test Points	Adjustment value
250 - 0	TPFANA	**3.5 ±0.1Vdc**
250 - 1	TPFANA	**13.8 ±0.1Vdc**
250 - 2	TPFANB	**3.5 ±0.1Vdc**
250 - 3	TPFANB	**13.8 ±0.1Vdc**
250 - 4	TPFANC	**3.5 ±0.1Vdc**
250 - 5	TPFANC	**13.8 ±0.1Vdc**
250 - 6	TPFAND	**3.5 ±0.1Vdc**
250 - 7	TPFAND	**13.8 ±0.1Vdc**
250 - 8	TPFANE	**3.5 ±0.1Vdc**
250 - 9	TPFANE	**13.8 ±0.1Vdc**
250 - 10	TPFANF	**4.5 ±0.1Vdc**
250 - 11	TPFANF	**13.8 ±0.1Vdc**
250 - 12	TPFANG	**4.5 ±0.1Vdc**
250 - 13	TPFANG	**13.8 ±0.1Vdc**

2. Panel type check and setting

* Before setting, you need to check which type of LCD panel is placed on the projector according to the item "LCD panel/prism assy removal" in the chapter "Optical Parts Disassembly".

1. Enter the service mode.
2. Panel type check
   Select Group "**290**",No. "**0**" check the data value as follows;
   Data value: 0 For L-type of LCD panel
   Data value: 20 For R-type of LCD panel

If the mounted LCD panel type and set panel mode are differ, take the step below.

3. Panel type mode setting
   Select Group "**290**", No. "**1**" and change data value from 10 to 0 or 20 depending on your LCD panel type. When the data value reaches 0 or 20, it returns to 10 quickly. The gamma-characteristics changes according to your selection.

Adjustments item no. [3] and [5] are carried out at the spare parts shipment in the factory, therefore they are not required when the MAIN board is replaced with new one.

3. Auto calibration adjustment [PC]

Input mode Computer 1 (RGB)
Input signal XGA Computer signal
Signal pattern 16-step gray scale

1. Enter the service mode.
2. Select Group "**260**", No. "**0**" and set the data value to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.

4. Auto calibration adjustment [Component]

Input mode Computer 1 (Component)
Input signal 480i component signal
Signal pattern 8 color 100% color bar

1. Enter the service mode
2. Select Group "**260**", No. "**0**" and set the data value to "**1**".
   The projector begins auto-calibration and then "OK" will appear on the screen.

5. Auto calibration adjustment [Video]

Input mode Video
Input signal Composite video signal
Signal pattern 16-step gray scale

1. Enter the service mode.
2. Select Group "**260**", No. "**0**" and then change data value from "**0**" to "**1**". After the auto-calibration completed, "OK" will appear on the screen.

6. Common center adjustment

Input mode	Computer 1 (RGB)
Input signal	XGA computer signal
Signal patterns	50% R, G, B whole signals

1. Enter the service mode
2. Select Group "**100**", No. "**77**" and change the data value to "**0**" to reduce the panel frequency.
3. Change data value to obtain the minimum flicker for each color on the screen.

Group - No.	Adjustment
101 - 7	**for green flicker**
101 - 6	**for red flicker**
101 - 8	**for blue flicker**

4. Select Group "**100**", No. "**77**" and change the data value to "**2**" to reset the panel frequency.

7. Gamma correction adjustment

Software PROJECTOR SERVICE TOOL v4.20

Use the software to obtain the proper gray scale of the screen. See the further information of the software instruction manual.

8. Color shading correction adjustment

Software PROJECTOR SERVICE TOOL v4.20
Signal pattern 12%, 25%, 50%, 75% whole gray

Use the software to correct the color shading of the screen. See the further information of the software instruction manual.
The color shading correction adjustment for this model should be performed with the whole-gray patterns specified as above.

Corresponding to the pull-down menu of the gray level selector on the software.

Level 0	: 12%
Level 384	: 25%
Level 640	: 50%
Level 1032	: 75%

Relation of level (%) indication and signal pattern

0%	: Black
100%	: White

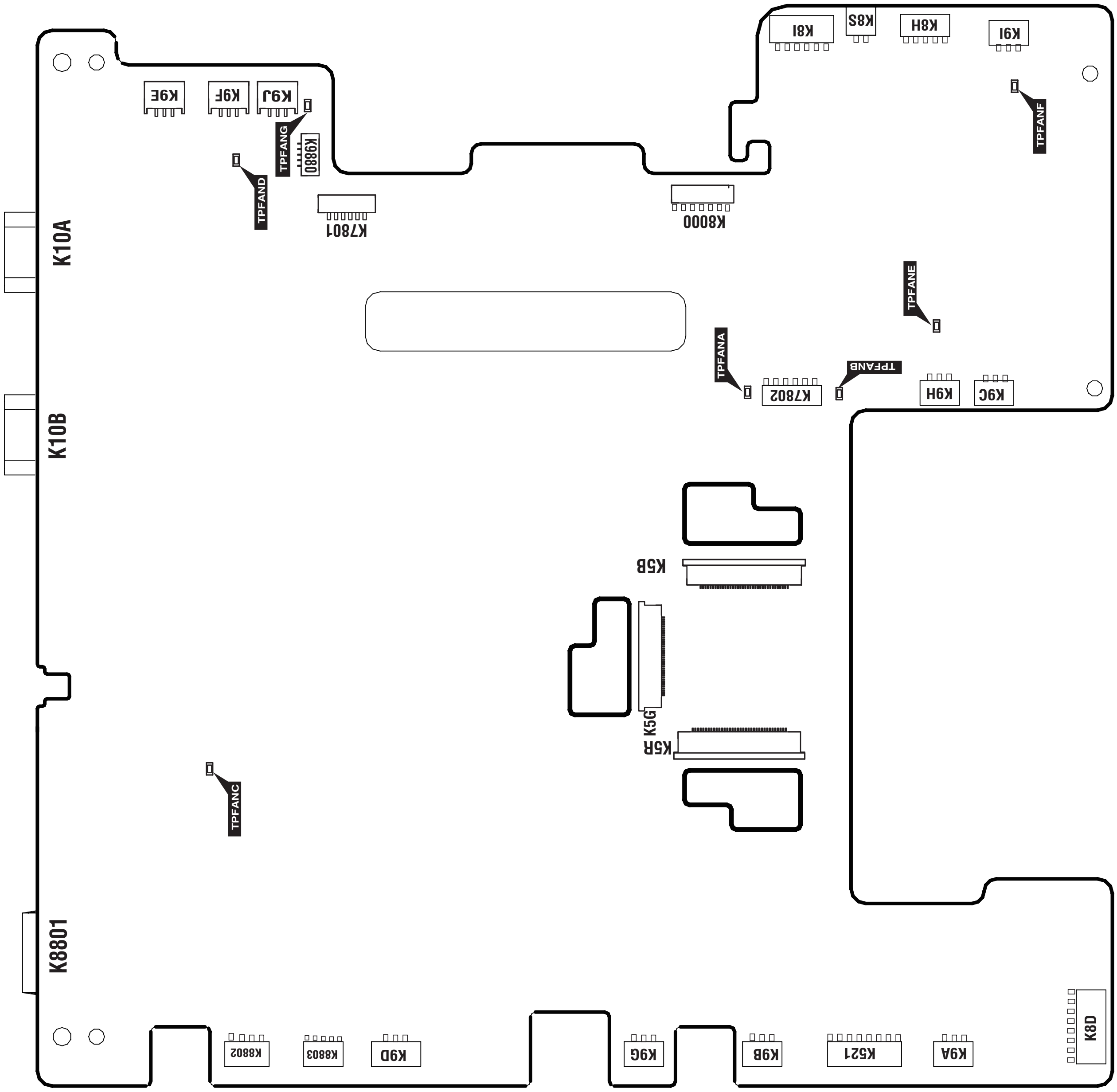
9. Keystone offset adjustment

Input signal no signal

1. Put the projector on a horizontal place with the adjustable feet being minimum range and then enter the service mode.
2. Select Group "**102**", No. "**3**" and set data value from "**0**" to "**5**".
3. By pressing the **SELECT** button, the Keystone Offset adjustment will start.
4. When it has completed, the "**OK**" message will appear on the screen.
5. By pressing any button on the projector or the remote control, the "**OK**" message will disappear. (Data value of Group "**102**", No. "**3**" will be back to "**0**" for initial value.)

Test points and locations

MAIN BOARD



Service adjustment data

The adjustment items indicated with "✻" are required to readjust following to the "Electrical adjustments". Other items should be used with the initial data value.

Group/ Item	Item Name	Function	Initial	Range	Note
Group 0	**AD Converter (PW190)**				
0	ADC G-OFFSET	PC / Component / SCART	128/120/128	0 - 255	
1	ADC R-OFFSET	PC / Component / SCART	128/140/128	0 - 255	
2	ADC B-OFFSET	PC / Component / SCART	128/140/128	0 - 255	
3	ADC G-GAIN	PC / Component / SCART	50/50/50	0 - 255	
4	ADC R-GAIN	PC / Component / SCART	40/40/40	0 - 255	
5	ADC B-GAIN	PC / Component / SCART	40/40/40	0 - 255	
6	GRAAFLTR/RBAAFLTR	Green (Red and Blue) Anti-Alias Filter	4 / R / R	0 - 7	Composite & S-Video / Component / PC *R: Read only value
7	GRNAADWNSMPL / RBAADWNSMPL	Green (Red and Blue) Anti-Alias Downsample	0 / R / R	0 - 3	
8	GRNAAHF / RBAAHF	Green (Red and Blue) Anti-Alias High Frequency	3 / R / R	0 - 3	
10	SOGTH	PC / Component / SCART SyncOn Green Threhould	6 / 4 / 4	0 - 15	
11	SOGHYSDIS	PC / Component / SCART Sync On Green Hsysterisis Enable	0	0 - 1	
12	HS1TH		4	0 - 7	
13	HS0TH		4	0 - 7	
100	PreCoast PC Signal		3	0 - 63	
101	PostCoast PC Signal		8	0 - 63	
120	PreCoast PC Video 480i		7	0 - 63	
121	PostCoast PC Video 480i		13	0 - 63	
122	PreCoast PC Video 575i		7	0 - 63	
123	PostCoast PC Video 575i		13	0 - 63	
124	PreCoast PC Video 480p		7	0 - 63	
125	PostCoast PC Video 480p		13	0 - 63	
126	PreCoast PC Video 575p		7	0 - 63	
127	PostCoast PC Video 575p		13	0 - 63	
128	PreCoast PC Video 720p 60Hz		7	0 - 63	
129	PostCoast PC Video 720p 60Hz		13	0 - 63	
130	PreCoast PC Video 720p 50Hz		7	0 - 63	
131	PostCoast PC Video 720p 50Hz		13	0 - 63	
132	PreCoast PC Video 1080i 60Hz		7	0 - 63	
133	PostCoast PC Video 1080i 60Hz		13	0 - 63	
134	PreCoast PC Video 1080i 50Hz		7	0 - 63	
135	PostCoast PC Video 1080i 50Hz		13	0 - 63	
136	PreCoast PC Video 1035i		7	0 - 63	
137	PostCoast PC Video 1035i		13	0 - 63	
138	PreCoast PC Video 1080p 60Hz		7	0 - 63	
139	PostCoast PC Video 1080p 60Hz		13	0 - 63	
140	PreCoast PC Video 1080p 50Hz		7	0 - 63	
141	PostCoast PC Video 1080p 50Hz		13	0 - 63	
142	PreCoast PC Video 1080p 30Hz		7	0 - 63	
143	PostCoast PC Video 1080p 30Hz		13	0 - 63	
144	PreCoast PC Video 1080p 25Hz		7	0 - 63	
145	PostCoast PC Video 1080p 25Hz		13	0 - 63	
146	PreCoast PC Video 1080p 24Hz		7	0 - 63	
147	PostCoast PC Video 1080p 24Hz		13	0 - 63	
150	PreCoast YCbCr 480i		7	0 - 63	
151	PostCoast YCbCr 480i		13	0 - 63	

Group/ Item	Item Name	Function	Initial	Range	Note
152	PreCoast YCbCr 575i		7	0 - 63	
153	PostCoast YCbCr 575i		13	0 - 63	
154	PreCoast YCbCr 480p		7	0 - 63	
155	PostCoast YCbCr 480p		13	0 - 63	
156	PreCoast YCbCr 575p		7	0 - 63	
157	PostCoast YCbCr 575p		13	0 - 63	
158	PreCoast YCbCr 720p 60Hz		7	0 - 63	
159	PostCoast YCbCr 720p 60Hz		13	0 - 63	
160	PreCoast YCbCr 720p 50Hz		7	0 - 63	
161	PostCoast YCbCr 720p 50Hz		13	0 - 63	
162	PreCoast YCbCr 1080i 60Hz		7	0 - 63	
163	PostCoast YCbCr 1080i 60Hz		13	0 - 63	
164	PreCoast YCbCr 1080i 50Hz		7	0 - 63	
165	PostCoast YCbCr 1080i 50Hz		13	0 - 63	
166	PreCoast YCbCr 1035i		7	0 - 63	
167	PostCoast YCbCr 1035i		13	0 - 63	
180	PreCoast SCART 480i		7	0 - 63	
181	PostCoast SCART 480i		13	0 - 63	
182	PreCoast SCART 575i		7	0 - 63	
183	PostCoast SCART 575i		13	0 - 63	
Group 10	**Sync Processor**				
0	SYNCAMPHLCKTOLOW	Minimum sync amplitude threshold for HLCK 1 to 0 tansition	1792	0 - 9999	
1	SYNCAMPHLCKTOHI	Minimum sync amplitude threshold for HLCK 0 to 1 tansition	4096	0 - 9999	
Group 20	**Video Decoder**				
0	Y Level	Composite / S-Video - Y Level (ADC RGB Gain)	10 / 10	0 - 255	Composite / S-Video * Gain Adjustment [Video]
1	C Level	Composite / S-Video - C Level (ADC Saturation)	115 / 115	0 - 255	Composite / S-Video
3	XCXL Level	Cross-Chroma, Cross-Luma Level	3	0 - 5	
4	C2DNBANDWIDTH	Comb 2D Narrow Bandwidth	3 / 3	0 - 3	NTSC/PAL
5	C2DWBANDWIDTH	Comb 2D Wide Bandwidth	4 / 4	0 - 7	NTSC/PAL
6	C2DCNMINLEAK	Comb 2D Chroma Narrow Band Minimum Leakage	0 / 3	0 - 3	Left Values are adjustable if CXCL Level = 5.
7	C2DCNSLOPELEAK	Comb 2D Narrow Band Slope Leakage	7 / 7	0 - 7	NTSC/PAL
8	C2DCWMINLEAK	Comb 2D Wide Band Minimum Leakage	1 / 3	0 - 3	NTSC/PAL
9	C2DCWSLOPELEAK	Comb 2D CW Slope Leakage	6 / 6	0 - 7	NTSC/PAL
10	COMBLEAK2BPGAIN	Comb Leak To Ban Pass Gain	1 / 0	0 - 3	NTSC/PAL
11	C2DBDIAGONALGAIN	Comb 2D Band Pass Diagonal Gain	1 / 3	0 - 3	NTSC/PAL
12	C2DNBCWBCLGAIN	Comb 2D Narrow Band Comb Wide Band Comb	1 / 1	0 - 3	NTSC/PAL
13	RLUMASETUP-Enable	7.5IRE Setup Enable	0	0 - 1	Effective only NTSC Signal
Group 40	**General**				
0	IP Mode	Sets for IP Off	1	0 - 1	0: IP Block not used 1: IP OFF used with IP Block
1	3:2 PullDown Mode		1	1 - 3	bit0 : Global Motion bit1 : Video Motion
2	Detect Film Mode Enable		0	0 - 2	0 : 2:3pull down & 2:2pull down 1 : 2:3pull down 2 : 2:2pull down
3	Force IP Mode		2	0 - 2	0 : IP Process Disable 1 : Force Normal IP Mode 2 : Force Film Mode Effective only for PSF Signal.
Group 41	**Deinterlacer setting** Effective only for Progressive ON-L1 mode.				
0	Motion Adaptive Weight Value	<KDEINT>	30	0 - 255	Effective only NTSC Signal
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	4	0 - 4	

Group/ Item	Item Name	Function	Initial	Range	Note
2	CUE Low Pass Filter Enable	<CUELPFEN>	0	0 - 1	
Group 42	**Deinterlacer setting** Effective only for Progressive ON-L2 mode.				
0	Motion Adaptive Weight Value	<KDEINT>	0	0 - 255	
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	2	0 - 4	
2	CUE Low Pass Filter Enable	<CUELPFEN>	0	0 - 1	
Group 43	**Deinterlacer setting** Effective only for Progressive ON/Film mode.				
0	Motion Adaptive Weight Value	<KDEINT>	30	0 - 255	
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	4	0 - 4	
2	CUE Low Pass Filter Enable	<CUELPFEN>	0	0 - 1	
Group 45	**Noise Reduction (Time)** Effective only for N.R - Off				
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	1	0 - 2	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	12	0 - 1023	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	24	0 - 1023	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	40	0 - 1023	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	0	0 - 255	
Group 47	**Noise Reduction (Time)** Effective only for N.R L1				
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	1	0 - 2	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	12	0 - 1023	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	24	0 - 1023	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	40	0 - 1023	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	50	0 - 255	
Group 49	**Noise Reduction (Time)** Effective only for N.R L2				
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	1	0 - 2	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	12	0 - 1023	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	24	0 - 1023	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	40	0 - 1023	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	100	0 - 255	
Group 50	**2:2pull down setting**				
0	22Film Mode Sensitivity	Film Detection Sensitivity <FILMSTVT22>	4	1 - 5	
1	22Film Mode Threshold Low	<FILMTHRD22A>	80	0 - 32767	
2	22Film Mode Threshold High	<FILMTHRD22B>	120	0 - 32767	
3	VOFTHR13	<VOFTHR13>	124	0 - 1023	Read only
4	VOFTHR12	<VOFTHR12>	124	0 - 1023	Read only
5	VOFTHR23	<VOFTHR23>	124	0 - 1023	Read only
6	Video Motion Window Start X	<VOFSTARX>	10	0 - 2047	Range of detective for Film mode
7	Video Motion Window Stop X	<VOFSTOPX>	10	0 - 2047	Range of detective for Film mode
8	Video Motion Window Start Y	<VOFSTARY>	10	0 - 1023	Range of detective for Film mode
9	Video Motion Window Stop Y	<VOFSTOPY>	10	0 - 1023	Range of detective for Film mode
Group 51	**2:3pull down setting**				
0	Global Motion Sensitivity	Film Detection Sensitivity <FILMSTVT23>	4	1 - 5	

Group/ Item	Item Name	Function	Initial	Range	Note
1	Video Motion Sensitivity	Film Detection Sensitivity <VOFSTVT>	4	1 - 5	
2	Video Motion Threshold Low	<VOFTHRDA>	120	0 - 32767	
3	Video Motion Threshold High	<VOFTHRDB>	180	0 - 32767	
4	Global Motion Threshold	<GMDTHRD>	124	0 - 1023	Read only value
5	23Film Mode Threshold	<FILMTHRD23>	100	0 - 32767	
6	Global Motion Window Start X	<GMDSTARX>	10	0 - 2047	Range of detective for Film mode
7	Global Motion Window Stop X	<GMDSTOPX>	10	0 - 2047	Range of detective for Film mode
8	Global Motion Window Start Y	<GMDSTARY>	10	0 - 1023	Range of detective for Film mode
9	Global Motion Window Stop Y	<GMDSTOPY>	10	0 - 1023	Range of detective for Film mode
Group 60	**Image**				
0	Center Contrast		534/578/534/534/492/492	0 - 1023	
1	Center Brightness		512/496/512/500/512/512	0 - 1023	
2	Center Color		512/512/512/512/512/512	0 - 1023	Video(S-Video) / Component / SCART / ANALOG / DIGITAL / HDCP Setting Value= (MENU Value - MENU Center Value) x Alpha / 10 + Center [Setting Value to PW] Contrast [Max] 1023 [Min] 0 Brightness [Max] 1023 [Min] 0 Color [Max] 1023 [Min] 0 Tint [Max] 180 [Min] 0 Sharpness [Max] 57 [Min] 0
3	Center Tint		90/90/90/90/90/90	0-180	
4	Center Sharpness		16/16/16/16/16/16	16	
5	Alpha Contrast		40/40/40/40/40/40	0-1000	
6	Alpha Brightness		140/140/140/140/140/140	0-1000	
7	Alpha Color		70/70/70/70/70/70	0-1000	
8	Alpha Tint		10/10/10/10/10/10	0-1000	
9	Alpha Sharpness		10/10/10/10/10/10	0-1000	
10	Center WB Red		512/512/512/512/512/512	0-1023	Composite / S-Video / Component / Digital /D-RGB-Video /AnalogRGB / RGB-Video / HDCP-PC /HDCP-AV / SCART/ PJ-Net Setting Value= MENU Value - MENU Center Value) x Alpha / 10 + Center WB R/G/B [Max] 1023 [Min] 0
11	Center WB Green		512/512/512/512/512/512	0-1023	
12	Center WB Blue		512/512/512/512/512/512	0-1023	
13	Alpha WB Red		40/40/40/40/40/40	0-1000	
14	Alpha WB Green		40/40/40/40/40/40	0-1000	
15	Alpha WB Blue		40/40/40/40/40/40	0-1000	
Group 100	**Panel Service(CXD3551)**		**(PT-VX500/PT-VW430)**		
0	RX_0EFIDSEL		0/0	0 - 1	
1	RX_A00UTSEL		0/0	0 -7	
2	RX_B0OUTSE		1/1	0 -7	
3	RX_C0OUTSEL		2/2	0 -7	
4	RX_D0OUTSEL		3/3	0 -7	
5	RX_E0OUTSEL		4/4	0 -7	
6	RX_A1OUTSEL		0/0	0 -7	
7	RX_B1OUTSEL		1/1	0 -7	
8	RX_C1OUTSEL		2/2	0 -7	
9	RX_D1OUTSEL		3/3	0 -7	
10	RX_E1OUTSEL		4/4	0 -7	
11	IRF_LVDSMAP		0/0	0 - 1	
12	IRF_LVDSSYNSEL		0/0	0 - 1	
13	ISW_INV		0/0	0 - 1	
14	ISW_COLOR_SWP		0/0	0 - 7	
15	ISW_BLANKSEL		0/0	0 - 1	
16	ISW_CH_SWP		0/0	0 - 1	
17	ISW_BLKLVL_R		0/0	0 - 255	
18	ISW_BLKLVL_G		0/0	0 - 255	
19	ISW_BLKLVL_B		0/0	0 - 255	
20	IDC_ON		0/0	0 - 1	
21	IDC_HPOS		0/0	0 - 2047	
22	IDC_VPOS		0/0	0 - 2047	
23	IDC_RDAT		0/0	0 - 1023	
24	IDC_GDAT		0/0	0 - 1023	
25	IDC_BDAT		0/0	0 - 1023	
26	SHP_ON		0/0	0 - 1	
27	SHP_GAIN		0/0	0 - 255	
28	SHP_OFSET		0/0	0 - 255	Read only
29	SHP_CLIP		0/0	0 - 255	Read only
30	UGM_ON		0/0	0 - 1	Read only

Group/ Item	Item Name	Function	Initial	Range	Note
31	UGM_CSCO_ON		0/0	0-1	
32	UGM_CSCO_BRIGHT_R		0/0	0-2047	
33	UGM_CSCO_BRIGHT_G		0/0	0-2047	
34	UGM_CSCO_BRIGHT_B		0/0	0-2047	
35	FMD_MODE		2/0	0-7	
36	FMD_VTOTAL_SEL		0/1	0-1	
37	FMD_HTOTAL_SEL		1/1	0-1	
38	FMD_ELINE_DEV		1/1	0-1	
39	FMD_THRU_RST		1/1	0-1	
40	FMD_FGEN_MODE		0/0	0-1	
41	FMD_FGEN_SWEN		1/0	0-3	
42	FMD_FGEN_SWFNUM		0/0	0-3	
43	FMD_FID_MODE		0/0	0-3	
44	FMD_VDELAY		2/813	0-8191	
45	FMD_VTFREETH1		768/808	0-8191	
46	FMD_VTFREETH2		796/831	0-8191	
47	FMD_VTLOCKTH1		776/810	0-8191	
48	FMD_VTLOCKTH2		783/828	0-8191	
49	FMD_VTOTAL_TIME_FR		779/813	0-8191	
50	FMD_VTOTAL_TIME_IN		779/813	0-8191	
51	FMD_HTOTAL_TIME_IN		1403/1615	0-8191	
52	FMD_HTOTAL_TIME_OUT_P		1403/1615	0-8191	
53	FMD_DMY_SIG		0/0	0-255	
54	RGT		1/0	0-1	
55	DWN		0/0	0-1	
56	HP		63/5	0-2047	
57	VP		4/8	0-255	
58	SHP		33/35	0-127	
59	CLR_U		0/97	0-1023	
60	CLR_D		51/71	0-1023	
61	ENB_U		112/138	0-1023	
62	ENB_D		46/84	0-1023	
63	PRGH_U		60/97	0-1023	
64	PRGH_D		96/133	0-1023	
65	PRGV_U		0/0	0-4095	
66	PRGV_D		0/0	0-4095	
67	PCGH_U		60/97	0-4095	
68	PCGH_D		151/159	0-1023	
69	PCGV_U		0/0	0-4095	
70	PCGV_D		0/0	0-4095	
71	PSCAN_HP		60/97	0-2047	
72	PSCAN_SEL		1/1	0-1	
73	PSCAN_POL		0/0	0-1	
74	PSCANM		2/2	0-3	
75	HD_U		374/62	0-1023	
76	HD_D		157/229	0-1023	
77	FRPM		2/2	0-3	* Panel Frequency Switch
78	HST_PC		10/10	0-127	
79	HST_PF		11/11	0-127	
80	HST_ST		0/0	0-4095	
81	HST_STP		0/0	0-4095	
82	HCK_C		23/23	0-127	
83	DCK_C		23/23	0-127	
84	DCK1_W		10/10	0-255	
85	DCK1_F		24/24	0-127	
86	DCK2_W		10/10	0-255	
87	DCK2_F		24/24	0-127	
88	DCK3_W		10/10	0-255	
89	DCK3_F		0/0	0-127	
90	DCK4_W		10/10	0-255	
91	DCK4_F		0/0	0-127	
92	SHT_C		5/5	0-127	
93	SHT_F		3/3	0-127	
94	VDCAL_U		3/3	0-4095	
95	VDCAL_D		4/4	0-4095	
96	VCKP		60/97	0-2047	
97	VCKPD		1344/1344	0-2047	
98	VST_VP		0/0	0-2047	
99	VST_HP_U		0/0	0-1023	
100	VST_HP_D1		0/0	0-1023	
101	VST_HP_D2		0/0	0-1023	

Group/ Item	Item Name	Function	Initial	Range	Note
102	VCK_HP		0/0	0-1023	
103	VCK_W1		0/0	0-2047	
104	VCK_W2		0/0	0-255	
105	VCK_W3		0/0	0-255	
106	USR_GAIN		68/512	0-1023	
107	USR_BRIGHT		0/0	0-8191	
108	USR_R_GAIN		68/512	0-1023	
109	USR_G_GAIN		68/512	0-1023	
110	USR_B_GAIN		68/512	0-1023	
111	USR_R_BRIGHT		0/0	0-8191	
112	USR_G_BRIGHT		0/0	0-8191	
113	USR_B_BRIGHT		0/0	0-8191	
114	GAM_ON		1/1	0-1	
115	GAMF_ON		0/0	0-1	
116	GAM_R_GAIN		512/512	0-1023	
117	GAM_G_GAIN		512/512	0-1023	
118	GAM_B_GAIN		512/512	0-1023	
119	GAM_R_BRIGHT		0/0	0-8191	
120	GAM_G_BRIGHT		0/0	0-8191	
121	GAM_B_BRIGHT		0/0	0-8191	
122	VXT_ON		1/1	0-1	
123	VXT_BCALC		0/0	0-1	
124	VXT_GCALC		0/0	0-1	
125	VXT_RCALC		0/0	0-1	
126	VXT_GSEL		2/2	0-3	
127	VXT_DETECT_ON		0/0	0-1	
128	VXT_FRP_LINK		0/0	0-1	
129	VXT_RDATU1		8/8	0-255	
130	VXT_RDU1		0/0	0-1	
131	VXT_RDATU2		7/7	0-255	
132	VXT_RDU2		0/0	0-1	
133	VXT_RDATU3		1/1	0-255	
134	VXT_RDU3		0/0	0-1	
135	VXT_GDATU1		8/8	0-255	
136	VXT_GDU1		0/0	0-1	
137	VXT_GDATU2		7/7	0-255	
138	VXT_GDU2		0/0	0-1	
139	VXT_GDATU3		1/1	0-255	
140	VXT_GDU3		0/0	0-1	
141	VXT_BDATU1		8/8	0-255	
142	VXT_BDU1		0/0	0-1	
143	VXT_BDATU2		7/7	0-255	
144	VXT_BDU2		0/0	0-1	
145	VXT_BDATU3		1/1	0-255	
146	VXT_BDU3		0/0	0-1	
147	VXT_RDATL1		4/4	0-255	
148	VXT_RDL1		0/0	0-1	
149	VXT_RDATL2		3/3	0-255	
150	VXT_RDL2		0/0	0-1	
151	VXT_RDATL3		1/1	0-255	
152	VXT_RDL3		0/0	0-1	
153	VXT_GDATL1		4/4	0-255	
154	VXT_GDL1		0/0	0-1	
155	VXT_GDATL2		3/3	0-255	
156	VXT_GDL2		0/0	0-1	
157	VXT_GDATL3		1/1	0-255	
158	VXT_GDL3		0/0	0-1	
159	VXT_BDATL1		4/4	0-255	
160	VXT_BDL1		0/0	0-1	
161	VXT_BDATL2		3/3	0-255	
162	VXT_BDL2		0/0	0-1	
163	VXT_BDATL3		1/1	0-255	
164	VXT_BDL3		0/0	0-1	
165	VXT_TH_ON		15/15	0-15	
166	VXT_TH1		38/38	0-255	
167	VXT_TH2		81/81	0-255	
168	VXT_TH3		226/226	0-255	
169	VXT_TH4		240/240	0-255	
170	CSC_ON		1/1	0-1	
171	CSC_XH		0/0	0-1	
172	CSC_R_GP1		313/313	0-511	
173	CSC_R_GP2		258/258	0-511	

Group/ Item	Item Name	Function	Initial	Range	Note
174	CSC_R_GP3		3332/3332	0-511	
175	CSC_R_GP4		183/183	0-511	
176	CSC_R_GP5		0/0	0-511	
177	CSC_R_GP6		0/0	0-511	
178	CSC_R_GP7		0/0	0-511	
179	CSC_R_GP8		0/0	0-511	
180	CSC_G_GP1		267/267	0-511	
181	CSC_G_GP2		233/233	0-511	
182	CSC_G_GP3		198/198	0-511	
183	CSC_G_GP4		166/166	0-511	
184	CSC_G_GP5		0/0	0-511	
185	CSC_G_GP6		0/0	0-511	
186	CSC_G_GP7		0/0	0-511	
187	CSC_G_GP8		0/0	0-511	
188	CSC_B_GP1		275/275	0-511	
189	CSC_B_GP2		237/237	0-511	
190	CSC_B_GP3		199/199	0-511	
191	CSC_B_GP4		168/168	0-511	
192	CSC_B_GP5		0/0	0-511	
193	CSC_B_GP6		0/0	0-511	
194	CSC_B_GP7		0/0	0-511	
195	CSC_B_GP8		0/0	0-511	
196	SHAD_ON		0/1	0-1	
197	SHAD_BCALC		0/0	0-1	
198	SHAD_GCALC		0/0	0-1	
199	SHAD_RCALC		0/0	0-1	
200	SHAD_GSEL		2/2	0-3	
201	SHAD_RDAT1		20/20	0-255	
202	SHAD_RD1		0/0	0-1	
203	SHAD_RDAT2		13/13	0-255	
204	SHAD_RD2		0/0	0-1	
205	SHAD_RDAT3		0/0	0-255	
206	SHAD_RD3		0/0	0-1	
207	SHAD_GDAT1		20/20	0-255	
208	SHAD_GD1		0/0	0-1	
209	SHAD_GDAT2		13/13	0-255	
210	SHAD_GD2		0/0	0-1	
211	SHAD_GDAT3		0/0	0-255	
212	SHAD_GD3		0/0	0-1	
213	SHAD_BDAT1		20/20	0-255	
214	SHAD_BD1		13/13	0-1	
215	SHAD_BDAT2		0/0	0-255	
216	SHAD_BD2		0/0	0-1	
217	SHAD_BDAT3		0/0	0-255	
218	SHAD_BD3		0/0	0-1	
219	SHAD_COEF		1310/1310	0-4095	
220	WEC_ON		1/1	0-1	
221	DIZ_ON		1/1	0-1	
222	RLR_B_RGT		1/0	0-1	
223	RLR_G_RGT		1/1	0-1	
224	RLR_R_RGT		1/0	0-1	
225	RLR_HSTPOS		128/128	0-2047	
226	RLR_R_DSD_HP		64/64	0-127	
227	RLR_G_DSD_HP		64/64	0-127	
228	RLR_B_DSD_HP		64/64	0-127	
229	PMI_ON		0/0	0-1	
230	PMO_ON		0/0	0-1	
231	PNT_ON		0/0	0-1	
232	ODC_ON		0/0	0-1	
233	ODC_HPOS		0/0	0-2047	
234	ODC_VPOS		0/0	0-2047	
235	ODC_RDAT		0/0	0-1023	Read only
236	ODC_GDAT		0/0	0-1023	Read only
237	ODC_BDAT		0/0	0-1023	Read only
238	MUTE_ALL_ON		0/0	0-1	
239	EXMUTE_POL		0/0	0-1	
240	TEST_MUTE_RET		0/0	0-1	
241	MUTE_B_ON		0/0	0-1	
242	MUTE_G_ON		0/0	0-1	
243	MUTE_R_ON		0/0	0-1	
244	DIRC_B		1/1	0-1	
245	DIRC_G		1/1	0-1	

Group/ Item	Item Name	Function	Initial	Range	Note
246	DIRC_R		1/1	0-1	
247	OSW_BITINV		1/1	0-1	
248	OSW_COLORSWP		0/0	0-7	
249	OSW_BITSHIFT		0/0	0-3	
250	OSW_B_CHSWP		0/0	0-1	
251	OSW_G_CHSWP		0/0	0-1	
252	OSW_R_CHSWP		0/0	0-1	
253	FMD_VSTPOS		10/10	0-8191	
254	FMD_HSTPOS		229/295	0-8191	
255	FMD_HTOTAL_TIME_OUT_F		1413/1615	0-8191	
256	FMD_VDACT_DMY		4/4	0-1023	
257	FMD_HDACT_DMY		8/16	0-2047	
258	FMD_VMASK_ON		1/1	0-1	
259	FMD_OE_POL		1/0	0-1	
260	FMD_OE_MODE		0/1	0-7	
261	FMD_BLK_POL		0/0	0-1	
262	FMD_BLK_MODE		3/3	0-3	
263	FMD_BLK_DAT		0/0	0-255	
264	FMD_FID_SEL		0/0	0-3	
265	TEST_OUT1		0/0	0-7	
266	TEST_OUT2		0/0	0-7	
267	TX_OA_CHSWP		0/0	0-7	
268	TX_OB_CHSWP		1/1	0-7	
269	TX_OC_CHSWP		2/2	0-7	
270	TX_OD_CHSWP		3/3	0-7	
271	TX_OE_CHSWP		4/4	0-7	
272	TX_EA_CHSWP		0/0	0-7	
273	TX_EB_CHSWP		1/1	0-7	
274	TX_EC_CHSWP		2/2	0-7	
275	TX_ED_CHSWP		3/3	0-7	
276	TX_EE_CHSWP		4/4	0-7	
277	SEQ_UNIT_TIME		0/4095	0-65536	
278	SEQ_GPORT1_ONT		0/16383	0-16383	
279	SEQ_GPORT2_ONT		0/1	0-16383	
280	SEQ_GPORT3_ONT		0/1	0-16383	
281	SEQ_GPORT4_ONT		0/1	0-16383	
282	SEQ_VDDMNT_ONT		0/1	0-16383	
283	SEQ_TGFR_TRG_ONT		0/16383	0-16383	
284	SEQ_GPORT1_OFFT		0/1000	0-16383	
285	SEQ_GPORT2_OFFT		0/600	0-16383	
286	SEQ_GPORT3_OFFT		0/800	0-16383	
287	SEQ_GPORT4_OFFT		0/800	0-16383	
288	SEQ_VDDMNT_OFFT		0/600	0-16383	
289	SEQ_TGOFF1_TRG_OFFT		0/50	0-16383	
290	SEQ_TGOFF2_TRG_OFFT		0/50	0-16383	
291	SEQ_SHD_TRG_OFFT		0/1	0-16383	
292	SEQ_GPORT1_EN		1/1	0-1	
293	SEQ_GPORT2_EN		1/1	0-1	
294	SEQ_GPORT3_EN		1/1	0-1	
295	SEQ_GPORT4_EN		1/1	0-1	
296	SEQ_VDDMNT_EN		1/1	0-1	
297	SEQ_TGFR_TRG_EN		1/1	0-1	
298	SEQ_TGOFF1_TRG_EN		1/1	0-1	
299	SEQ_TGOFF2_TRG_EN		1/1	0-1	
300	SEQ_SHD_TRG_EN		1/1	0-1	
301	SEQ_GPORT1		0/0	0-1	
302	SEQ_GPORT2		0/0	0-1	
303	SEQ_GPORT3		0/0	0-1	
304	SEQ_GPORT4		0/0	0-1	
305	SEQ_VDDMNT		0/0	0-1	
306	SEQ_POWER_ON		0/0	0-1	
307	SEQ_POWER_OFF		0/0	0-1	
308	SEQ_OFF_FLG		0/0	0-1	Read only
309	SEQ_ON_FLG		0/0	0-1	Read only
310	OSD_PTN		0/0	0-7	
Group 101	**Panel Service(CXA3828)**		**(PT-VX500/PT-VW430)**		
0	FRINV_B		0/0	0-1	
1	FRINV_G		1/1	0-1	
2	FRINV_R		0/0	0-1	
3	SIG_C		24/23	0-31	

Group/ Item	Item Name	Function	Initial	Range	Note
4	GAIN		215/222	0-255	
5	BRIGHT		0/0	0-255	
6	VCOM_R		180/177	0-255	
7	VCOM_G		180/177	0-255	
8	VCOM_B		180/177	0-255	
9	PSIG_RA		9/12	0-255	
10	PSIG_RB		156/128	0-255	
11	PSIG_GA		9/12	0-255	
12	PSIG_GB		156/128	0-255	
13	PSIG_BA		9/12	0-255	
14	PSIG_BB		156/128	0-255	
15	RGB_SEL		0/0	0-3	
16	HOLD		0/0	0-1	
17	DLLMD		0/2	0-3	
18	DLLCHCP		0/1	0-1	
19	PT		0/0	0-1	
20	HDATA		0/0	0-15	
21	HDATA		0/0	0-255	
22	VDATA		0/0	0-15	
23	VDATA		0/0	0-255	
Group 102	**Auto Keystone Setup Value**				
0	OFFSET		0	-1056 - 1056	
1	OFFSET SWITCH		0	0 - 1	
2	DEBUG MODE		0	0 - 1	
3	SERVICE CALIBRATION		0	0 - 10	* Keystone offset Adjustmen
4	LOCK COUNT		5	1 - 255	
5	DELT VERT RESULT		64	1 - 255	
6	ANGLE 1 COUNT		1	1 - 10	
7	ANGLE 2 COUNT		5	1 - 10	
8	BLIND SECTOR 1		160	0 - 1024	
9	BLIND SECTOR 3		32	0 - 1024	
10	BLIND SECTOR BIAS		61	0 - 1024	
Group 105	**Panel Service (8030)**				
0	Vsync input		0	0 - 1	0: Enable / 1:Disable
1	Timer for Recovery starting		0	0 - 1	0: Enable / 1:Disable
2	Color correction		0	0 - 1	0: Enable / 1:Disable
3	SPI receiver		0	0 - 1	0: Enable / 1:Disable
4	UART(UPUside)		0	0 - 1	0: Enable / 1:Disable
5	3Wire serial command gen-erator		0	0 - 1	0: Enable / 1:Disable
6	Outputof 3 wire serial I/F		0	0 - 1	0: Enable / 1:Disable
7	ColorCorrectionTable_R		1878/1878	0 - 4095	AV / PC
8	ColorCorrectionTable_R		1878/1878	0 - 4095	AV / PC
9	ColorCorrectionTable_R		1878/1878	0 - 4095	AV / PC
10	ColorCorrectionTable_R		1977/1977	0 - 4095	AV / PC
11	ColorCorrectionTable_R		2044/2044	0 - 4095	AV / PC
12	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
13	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
14	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
15	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
16	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
17	ColorCorrectionTable_G		1612/1612	0 - 4095	AV / PC
18	ColorCorrectionTable_G		1612/1612	0 - 4095	AV / PC
19	ColorCorrectionTable_G		1612/1612	0 - 4095	AV / PC
20	ColorCorrectionTable_G		1842/1842	0 - 4095	AV / PC
21	ColorCorrectionTable_G		1974/1974	0 - 4095	AV / PC
22	ColorCorrectionTable_G		1966/1966	0 - 4095	AV / PC
23	ColorCorrectionTable_G		2015/2015	0 - 4095	AV / PC
24	ColorCorrectionTable_G		2034/2034	0 - 4095	AV / PC
25	ColorCorrectionTable_G		2048/2048	0 - 4095	AV / PC
26	ColorCorrectionTable_G		2048/2048	0 - 4095	AV / PC
27	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
28	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
29	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
30	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
31	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
32	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
33	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
34	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
35	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC

Group/ Item	Item Name	Function	Initial	Range	Note
36	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
37	VSYNC pulse width		13	0 - 4095	
38	Vsync generation interval		313	0 - 1023	
39	SCIOUT L-period		7	0 - 255	
40	Interval setting for recovery		8	0 - 1023	
Group 200	**Option**				
0	Logo Prohibition	Logo Prohibition (0: Menu, 1: Forced)	0	0 - 1	Effective after AC On
1	RS232C Baudrate	Baud Rate	0	0 - 2	0: 19200bps, 1: 9600bps, 2: 115200bps
4	CABLE SW	Long Cable	0	0 - 1	0: Disable 1: Enable
5	PW Debug Command Enable		0	0 - 1	0: Disable 1: Enable
6	Device Refresh Disable		0	0 - 1	0:Disable (Serial Command Eanble) 1: Enable (PW Debug Mode)
7	Device Access Disable		0	0 - 1	0:Enable, 1:Disable No last memory
9	PJ-NET MCU test		0	0 - 1	0: Disable 1: Enable
20	Projector Time Reset		0	0-20	
40	Lamp PWM PresAv 50Hz		80	0-255	0:Enable (Normal), 1:Disable No last memory
41	Lamp PWM PresAv 60Hz		67	0-255	
42	Lamp PWM PresUnlock		65	0-255	
43	Lamp PWM PresPcA		2	0-255	
44	Lamp PWM PresPcB		3	0-255	
45	Lamp PWM PrefHAv50Hz		5000	0-65535	
46	Lamp PWM PrefHAv60Hz		5000	0-65535	
47	Lamp PWM PrefHUnlock		500	0-65535	
50	Lamp Replacement Display		1	0-1	
51	Filter Warning Display	Filter Warning Display On / Off	1	0-1	1: On, 0: Off
52	Lamp Counter Reset Times	Reset Times of Lamp Counter	0	0-255	Read only
53	Filter Counter Reset Times	Filter Counter Reset Times	0	0-255	
54	Factory Default Execute Times	Reset times of Fanctory Default	0	0-255	Read only
56	Menu Position	Move menu (X asis)	0	0 - 1024	
57	Menu Position	Move menu (Y asis)	0	0 - 1024	
59	Source Search Enable	Source Search Enable (0: Disable 1:Enable)	1	0-1	
60	Language Default Setting	Language Default setting (0: English 1:Japanese)	0	0-1	
65	Mute Setting In Freeze status	Mute On/Off in Freeze status	1	0-1	1: On, 0: Off
66	IRIS Warning display	Iris warning	1	0-1	1: On, 0: Off
67	Monitor setting in Freeze status	Monitor setting in Freeze status	1	0-1	1: On, 0: Off
Group 201	**Option (signal)**				
0	FrameLock Option		1	0 - 1	0: FrameLockOFF at PC signal 1: FrameLockON at PC signal and 47Hz (Vfreq) ~ Panel frequency of input signal
2	Field Sense Invert Enable		0	0 - 1	Reverse Processing of FLDINVSetting Value 0: Disable - Used FLDINV Setting Value 1: Enable - Used Reversed FLDINV Setting Value
4	Sub Image Enable		1	0 - 1	0:Disable (Service Adjustment Dsiable, Used all the Center Values 1:Enable (Service Adjustment Enable)
6	Zoom Accelerator Enable		0	0 - 1	0:Zoom Accelerator OFF, 1:Zoom Accelerator ON No last memory
7	DZoom Reset by Keystone		0	0 - 1	0:Enable (Normal), 1:Disable (Dzoom is not cancelled even if Keystone is cancelled) No last memory
8	Stability Count	Count Value of V-missing	5	0 - 255	
9	Sensivity for Signal Lost (HSYNC)	Only used this value for No Signal Judgement(Hz)	350	0 - 32767	
10	Sensivity for Signal Lost (VSYNC)	Only used this value for No Signal Judgement(Line)	3	0 - 255	

Group/ Item	Item Name	Function	Initial	Range	Note
11	Keystone Filter Center Value	Reference Value	16	0 - 30	
Group 202	**Option(MCI)**				
1	**Simple_channel_num**		**11**	**0-11**	
Group 205	**Spread Spetrum**				
0	Enable	0=Enable, 1=Disable	1	0 - 1	
1	Modulation frequency		300	1 - 500	
2	Diffusivity		300	0 - 300	
Group 210	**Lamp Control**		**(PT-VX500/PT-VW430)**		
40	DIMMER_CTRL_LEVEL00	Luminance Level 00 Data for Dimmer: Dim Level 00 at the less than the Value	6	0-255	
41	DIMMER_CTRL_LEVEL01	Luminance Level 01 Data for Dimmer: Dim Level 01 at the less than the Value	12	0-255	
42	DIMMER_CTRL_LEVEL02	Luminance Level 02 Data for Dimmer: Dim Level 02 at the less than the Value	18	0-255	
43	DIMMER_CTRL_LEVEL03	Luminance Level 03 Data for Dimmer: Dim Level 03 at the less than the Value	23	0-255	
44	DIMMER_CTRL_LEVEL04	Luminance Level 04 Data for Dimmer: Dim Level 04 at the less than the Value	29	0-255	
45	DIMMER_CTRL_LEVEL05	Luminance Level 05 Data for Dimmer: Dim Level 05 at the less than the Value	35	0-255	
46	DIMMER_CTRL_LEVEL06	Luminance Level 06 Data for Dimmer: Dim Level 06 at the less than the Value	41	0-255	
47	DIMMER_CTRL_LEVEL07	Luminance Level 07 Data for Dimmer: Dim Level 07 at the less than the Value	47	0-255	
48	DIMMER_CTRL_LEVEL08	Luminance Level 08 Data for Dimmer: Dim Level 08 at the less than the Value	53	0-255	
49	DIMMER_CTRL_LEVEL09	Luminance Level 09 Data for Dimmer: Dim Level 09 at the less than the Value	58	0 - 255	
50	DIMMER_CTRL_LEVEL10	Luminance Level 10 Data for Dimmer: Dim Level 10 at the less than the Value	64	0 - 128	
51	DIMMER_CTRL_LEVEL11	Luminance Level 11 Data for Dimmer: Dim Level 11 at the less than the Value	70	0 - 128	
52	DIMMER_CTRL_LEVEL12	Luminance Level 12 Data for Dimmer: Dim Level 12 at the less than the Value	76	0 - 128	
53	DIMMER_CTRL_LEVEL13	Luminance Level 13 Data for Dimmer: Dim Level 13 at the less than the Value	82	0-255	
54	DIMMER_CTRL_LEVEL14	Luminance Level 14 Data for Dimmer: Dim Level 14 at the less than the Value	88	0 - 255	
55	DIMMER_CTRL_LEVEL15	Luminance Level 15 Data for Dimmer: Dim Level 15 at the less than the Value	93	0-255	
56	DIMMER_CTRL_LEVEL16	Luminance Level 16 Data for Dimmer: Dim Level 16 at the less than the Value	99	0-255	
57	DIMMER_CTRL_LEVEL17	Luminance Level 17 Data for Dimmer: Dim Level 17 at the less than the Value	105	0-255	
58	DIMMER_CTRL_LEVEL18	Luminance Level 18 Data for Dimmer: Dim Level 18 at the less than the Value	255	0-255	
59	DIMMER_AVERAGE_ POINT	DIMMER_AVERAGE_POINT	4	1-16	
60	DIMMER_AVERAGE_DATA	DIMMER_AVERAGE_DATA	-	-	* Read only
61	DIMMER_LEVEL_AUTO	DIMMER_LEVEL_AUTO	-	-	* Read only
62	DIMMER_LEVEL_NORMAL	DIMMER_LEVEL_NORMAL	18/17	0-18	
63	DIMMER_LEVEL_ECO	DIMMER_LEVEL_ECO	0	0-18	
64	Panel life mode	Panel life mode	0	0-1	
65	Voltage_level	Voltage_level	-	-	* Read only
Group 211	**General**		**(PT-VX500/PT-VW430)**		

Group/ Item	Item Name	Function	Initial	Range	Note
0	Mode	IRIS control mode setting 0:APL control by the user menu 1:Fixed control 2:Off control 3:Life Test mode	0	0-3	
1	Error Detect Enable	Iris abnormality detection function	1	0-1	0:Enable, 1:Disable
2	Open Position Offset	Open Position Offset	-12	-511-511	
3	Speed adjust	switch speed setting	4/2	1-1023	AV/PC
4	Manual position adjust	Iris(off) position setting	0	0-1023	
5	APL Threshold Min	APL Threshold Min data	0/4	0-255	AV/PC
6	APL Threshold Max	APL Threshold Max data	128/12	0-255	AV/PC
7	Change APL	Change APL	128/8	0-255	AV/PC
8	Change position	Change position	0/520	0-1023	AV/PC
9	Speed adjust 2	close speed setting	4/320	1-1023	AV/PC
10	Close Limit Dimmer 0	Close Limit Dimmer 0	500/700	0-1023	
11	Close Limit Dimmer 1	Close Limit Dimmer 1	500/700	0-1023	
12	Close Limit Dimmer 2	Close Limit Dimmer 2	500/700	0-1023	
13	Close Limit Dimmer 3	Close Limit Dimmer 3	500/700	0-1023	
14	Close Limit Dimmer 4	Close Limit Dimmer 4	500/700	0-1023	
15	Close Limit Dimmer 5	Close Limit Dimmer 5	500/700	0-1023	
16	Close Limit Dimmer 6	Close Limit Dimmer 6	500/700	0-1023	
17	Close Limit Dimmer 7	Close Limit Dimmer 7	500/700	0-1023	
18	Close Limit Dimmer 8	Close Limit Dimmer 8	500/700	0-1023	
19	Close Limit Dimmer 9	Close Limit Dimmer 9	500/700	0-1023	
20	Close Limit Dimmer 10	Close Limit Dimmer 10	500/700	0-1023	
21	Close Limit Dimmer 11	Close Limit Dimmer 11	500/700	0-1023	
22	Close Limit Dimmer 12	Close Limit Dimmer 12	500/700	0-1023	
23	Close Limit Dimmer 13	Close Limit Dimmer 13	500/700	0-1023	
24	Close Limit Dimmer 14	Close Limit Dimmer 14	500/700	0-1023	
25	Close Limit Dimmer 15	Close Limit Dimmer 15-18	500/700	0-1023	
30	Update Interval 1	Update interval 1(unit:ms)	8/15	0-1023	AV/PC
31	Update Interval 2	Update interval 2(unit:ms)	8/1	0-1023	AV/PC
Group 230	**VBI Slice Level**				
0	Generic Initial Slicing Level	PW190 register 0xE344	50	0-255	
1	Generic High Level Threshold	PW190 register 0xE345	-	0-255	* Read only
2	Generic Low Level Threshold	PW190 register 0xE346	-	0-255	* Read only
3	Generic Minimum Low Level	PW190 register 0xE347	30	0-255	
4	Generic Maximum High Level	PW190 register 0xE348	200	0-255	
Group 250	**FAN Control * Fan vollt-age adjustment**				
0	FAN1 MIN ADJUST (DAC)	DAC Output for Fan Adjust the tolerance of DAC and Fan Volage. * Lamp mode is forced Eco	36	0-255	
1	FAN1 MAX ADJUST (DAC)		220	0-255	
2	FAN2 MIN ADJUST (DAC)		15	0-255	
3	FAN2 MAX ADJUST (DAC)		210	0-255	
4	FAN3 MIN ADJUST (DAC)		15	0-255	
5	FAN3 MAX ADJUST (DAC)		210	0-255	
6	FAN1 MIN ADJUST (DAC)		36	0-255	
7	FAN1 MAX ADJUST (DAC)		220	0-255	
8	FAN2 MIN ADJUST (DAC)		36	0-255	
9	FAN2 MAX ADJUST (DAC)		220	0-255	
10	FAN3 MIN ADJUST (DAC)		56	0-255	
11	FAN3 MAX ADJUST (DAC)		220	0-255	
12	FAN3 MIN ADJUST (DAC)		56	0-255	
13	FAN3 MAX ADJUST (DAC)		220	0-255	

Group/ Item	Item Name	Function	Initial	Range	Note
Group 252	**FAN Option**				
0	HI-LAND SWITCH	0: Normal, 1: Hi-Land "On1", 2: Hi-Land "On2"	-	0 - 2	* Read only
1	SAFETY SWITCH	For test purpose	0	0,3-6	
2	FAN MANUAL SWITCH	0: Auto, 1: Manual	0	0 - 3	
3	FAN1 MANUAL VOLTAGE	Fan Voltage (unit : 0.1V) Effective only when Fan Manual switch is 1	100	0-255	
4	FAN2 MANUAL VOLTAGE		100	0-255	
5	FAN3 MANUAL VOLTAGE		100	0-255	
6	FAN4 MANUAL VOLTAGE	Fan Voltage (unit : 0.1V) Effective only when Fan Manual switch is 1	100	0-255	
7	FAN5 MANUAL VOLTAGE		100	0-255	
8	FAN6 MANUAL VOLTAGE		100	0-255	
9	FAN7 MANUAL VOLTAGE		100	0-255	

Group/ Item	Item Name	Function	Normal	Ceiling	HiLand-Normal ON1/ ON2	HiLand-Ceiling ON1/ ON2	Range	Note
Group 253	**Fan Tem Error Setting (Memorized) (PT-VX500/PT-VW430)**							
0	Temp A Warning (High)		9999				-	
1	Temp B Warning (High)		9999				-	
2	Temp C Warning (High)		9999				-	
3	Temp B-A Warning(High)		9999				-	
4	Temp C-A Warning(High)		9999				-	
5	Temp A Warning (Normal)	Temp. A to judge the Temp Error at Normal (Room)	45	44	39/35	39/36	30-100	
6	Temp B Warning (Normal)	Temp. B to judge the Temp Error at Normal (Panel)	64	63	54/50	54/51	30-100	
7	Temp C Warning (Normal)	Temp. C to judge the Temp Error at Normal (Lamp)	65	65	56/58	56/59	30-100	
8	Temp B-A Warning (Normal)	Temp. B-A to judge the Temp Error at Normal (Clogging Det.)	28	28	24/22	24/22	0-100	
9	Temp C-A Warning(Normal)	Temp. C-A to judge the Temp Error at Normal (Clogging Det.)	21	21	18/16	18/16	0-100	
10	Temp A Warning (Eco)	Temp. A to judge the Temp Error at Eco (Room)	49	48	39/36	39/37	30-100	
11	Temp B Warning (Eco)	Temp. B to judge the Temp Error at Eco(Panel)	68	67	53/50	53/50	-	
12	Temp C Warning (Eco)	Temp. C to judge the Temp Error at Eco(Panel)	65	64	55/57	55/58	30-100	
13	Temp B-A Warning (Eco)	Temp. B-A to judge the Temp Error at Normal (Clogging Det.)	34	34	27/25	27/25	0-100	
14	Temp C-A Warning (Eco)	Temp. C-A to judge the Temp Error at Normal (Clogging Det.)	26	26	20/17	20/17	0-100	
15	Temp A Warning Offset (Temp)	Offset of Temp Error (Temp.) Error Setting Value is increased XC at the below condition * Standby * Right to turn on the lamp * Right to change the Lamp mode	5				0-100	
16	Temp B Warning Offset (Temp)		5				0-100	
17	Temp C Warning Offset (Temp)		10				0-100	
18	Temp B-A Warning Offset (Temp)		0				0-100	
19	Temp C-A Warning Offset (Temp)		0				0-100	
20	Temp A Warning Offset (Time)	Offset of Temp Error (Minutes) Error Setting Value is increased X minute at the below condition * Standby * Right to turn on the lamp * Right to change the Lamp mode	3				0-5	
21	Temp B Warning Offset (Time)		3				0-5	
22	Temp C Warning Offset (Time)		3				0-5	
23	Temp B-A Warning Offset (Time)		3				0-5	
24	Temp C-A Warning Offset (Time)		3				0-5	
26	Temp A ForceLamp ECO		39	40	37/33	37/34	20-50	
27	Temp A ForceLamp ECO ENABLE		1				0-1	

Group/ Item	Item Name	Function	Normal	Ceiling	HiLand-Normal ON1/ ON2	HiLand-Ceiling ON1/ ON2	Range	Note
Group 254	**Fan Control Range Setting (Temp./Voltage) (PT-VX500/PT-VW430)**							
0	Normal Fan Control Min Temp		30	31	26/26	25/26	20-100	
1	Normal Fan Control Max Temp		38	38	34/32	34/33	20-100	
2	Normal Fan1 Min		62	62	82/102	82/102	0-255	

Group/ Item	Item Name	Function	Initial				Range	Note
3	Normal Fan1 Max		138	138	138/138	138/138	0-255	
4	Normal Fan2 Min		67	67	87/107	87/107	0-255	
5	Normal Fan2 Max		138	138	138/138	138/138	0-255	
6	Normal Fan3 Min		57	60	77/97	77/97	0-255	
7	Normal Fan3 Max		138	138	138/138	138/138	0-255	
8	Normal Fan4 Min		70	70	90/110	90/110	0-255	
9	Normal Fan4 Max		138	138	138/138	138/138	0-255	
10	Normal Fan5 Min		70	70	80/86	85/91	0-255	
11	Normal Fan5 Max		70	70	80/86	85/91	0-255	
12	Normal Fan6 Min		75	75	95/115	95/115	0-255	
13	Normal Fan6 Max		138	138	138/138	138/138	0-255	
14	Normal Fan7 Min		75	75	95/115	95/115	0-255	
15	Normal Fan7 Max		138	138	138/138	138/138	0-255	
16	Eco Fan Control Min Temp	Temp Sensor Control Start/End Temp at Normal	29	30	25/25	25/25	20-100	
17	Eco Fan Control Max Temp		44	44	34/34	34/35	20-100	
18	Eco Fan1 Min		43	43	63/83	63/83	0-255	
19	Eco Fan1 Max	Fan voltage value at Normal (unit: 0.1V)	120	120	120 /120	120 /120	0-255	
20	Eco Fan2 Min		47	48	68/88	68/88	0-255	
21	Eco Fan2 Max		120	120	120/120	120/120	0-255	
22	Eco Fan3 Min		38	40	58/78	58/78	0-255	
23	Eco Fan3 Max		120	120	120 /120	120 /120	0-255	
24	Eco Fan4 Min		48	48	68/88	68/88	0-255	
25	Eco Fan4 Max		120	120	120 /120	120 /120	0-255	
26	Eco Fan5 Min		48	48	57/64	57/69	0-255	
27	Eco Fan5 Max		48	48	57/64	57/69	0-255	
28	Eco Fan6 Min		60	60	80/100	80/100	0-255	
29	Eco Fan6 Max		120	120	120/120	120/120	0-255	
30	Eco Fan7 Min		60	60	80/100	80/100	0-255	
31	Eco Fan7 Max		120	120	120/120	120/120	0-255	
Group 255	**Fan Start/Cooling Setting**							
0	Fan1 Initial Volt		60				0-255	
1	Fan2 Initial Volt		60				0-255	
2	Fan3 Initial Volt		60				0-255	
4	Fan4 Initial Volt	Fan Start Voltage(0.1V)	60				0-255	
5	Fan5 Initial Volt		60				0-255	
6	Fan6 Initial Volt		60				0-255	
7	Fan7 Initial Volt		60				0-255	
8	Fan1 Cooling Speed		135				0-255	
9	Fan2 Cooling Speed		135				0-255	
10	Fan3 Cooling Speed		135				0-255	
11	Fan4 Cooling Speed	Power off;Fan Voltage(0.1V)	135				0-255	
12	Fan5 Cooling Speed		60				0-255	
13	Fan6 Cooling Speed		135				0-255	
14	Fan7 Cooling Speed		135				0-255	
16	Cooling Time L1	Cooling Time setting at Fan Mode L1 (x 30 sec) 1: 30, 3: 90, 15: 450 sec.	2				1-15	
17	Cooling Time L2	Cooling Time setting at Fan Mode L2 (x 30 sec) 1: 30, 3: 90, 15: 450 sec.	3				1-15	
18	Temp Error Cooling Time	Cooling Time setting at Temp Error (x 30 sec)	3				1-15	
19	OnStart Cooling Start Thresh-old		38				0-100	
20	After shutdown cooling	Cooling after shutdown (0: No, 1: Yes)	1				0-1	
Group 256	**Fan/Lamp Voltage Dimmer Setting**							
0	Lamp Voltage		-				0-255	* Read only
1	Lamp Vol Threshold		0				30-90	
2	Fan 1 Speed Gain		10				0-255	
3	Fan 2 Speed Gain		10				0-255	
4	Fan 3 Speed Gain		10				0-255	
5	Fan 4 Speed Gain		10				0-255	
6	Fan 5 Speed Gain		10				0-255	
7	Fan 6 Speed Gain		10				0-255	
8	Fan 7 Speed Gain		10				0-255	
Group 257	**Fan Dimmer Setting**							
0	Dimmer Average Chech Period	Dimmer Average measurement Time (0:10sec. 1:30sec. 2:60 sec. 3:90sec...10:300sec.)	1				0-10	

Group/ Item	Item Name	Function	Initial	Range	Note
1	Dimmer Average	Dimmer Average Value (Read only)	-		
2	Last Voltage Difference		-		
3	Voltage Difference Goal		-		
Group 258	**Colser IRIS,Fan Vlotage rising**				
0	Fan Vol. Offset Iris Threshold	Fan vol rising to Iris	530	0-1023	
1	Fan Vol. Offset Speed	Fan vol is set to 1/5	6	0-30	
2	Normal Fan4 Offset	Lamp mode normal,fan vol. offset data	10	0-255	
3	Normal Fan7 Offset		0	0-255	
4	Eco Fan4 Offset	Lamp mode Eco,fan vol. offset data	10	0-255	
5	Eco Fan7 Offset		0	0-255	
Group 259	**Fan MIC IC temperature rising resolve**				
0	Fan6	Fan voltage (unit: 0.1V)	60	0-255	
1	Fan7		60	0-255	
Group 260	**Auto Calibration(Common)*Auto Calibration**				
0	Execute Calibration		0	0 - 1	Executes Auto-Calibration when changiing the Value (PC White 100%)
1	Loop Count	Maximum Execution Times (OFFSET->GAIN)	10	1 - 30	
2	Auto Status	Result of Auto-Calibration (Last Memory)	0	0 / 1 / 9	0: OK, 1: Adjusting,9: Error * ReadOnly
3	AutoWait	Wait Value for each setting	1	1 - 20	
4	CHECK -Tolelance	Torelance of OFFSET	2	1 - 255	
Group 261	**Auto Calibration (RGB)**				
0	OFFSET AREA H START	Black Level Acquiring Area H-Start Position	975	0 - 1000	
1	OFFSET AREA V START	Black Level Acquiring Area V-Start Position	500	0 - 1000	
2	GAIN AREA H START	White Level Acquiring Area H-Start Position	25	0 - 1000	
3	GAIN AREA V START	White Level Acquiring Area V-Start Position	500	0 - 1000	
4	Image AREA H WIDTH	Black/White Level Acquiring Area	13	0 - 4095	
5	Image AREA V HIGHT	Black/White Level Acquiring Area Height	9	0 - 4095	
6	OFFSET target	Target Value of Black Level Adj.	3	0 - 127	
7	OFFSET torelance	Torelance of Black Level Adj.	1	1 - 127	
8	GAIN target	Target Value of White Level Adj.	238	0 - 255	
9	GAIN torelance	Torelance of White Level Adj.	1	1-255	
Group 262	**Auto Calibration (CVBS/SVIDEO)**				
0	Y Image Area Start X	Y Acquiring Area H-Start Position	20	0-1000	
1	Y Image Area Start Y	Y Acquiring Area V-Start Position	200	0-1000	
6	Image Area H Width	Image Level Acquiring Area	8	0-4095	
7	Image Area V Hight	Image Level Acquiring Area Height	9	0-4095	
8	Y Target Level	Target Value of Y Level Adj.	217	0-255	
11	Gain Tolerance	Torelance of Level Adj.	1	0-255	
12	Delta Gain	Deviation Width of Gain Value	9	0-255	
Group 264	**Auto Calibration (YCbCr)**				
0	Y-OFFSET AREA H START	Y - Offset Acquiring Area H-Start Position	925	0 - 1000	
1	Y-OFFSET AREA V START	Y - Offset Acquiring Area V-Start Position	500	0 - 1000	
2	CB - OFFSET AREA H START	CB - Offset Acquiring Area H-Start Position	925	0 - 1000	
3	CB - OFFSET AREA V START	CB - Offset Acquiring Area V-Start Position	500	0 - 1000	
4	CR - OFFSET AREA H START	CR - Offset Acquiring Area H-Start Position	925	0 - 1000	
5	CR - OFFSET AREA V START	CR - Offset Acquiring Area V-Start Position	500	0 - 1000	
6	Y - GAIN AREA H START		50	0 - 1000	
7	Y - GAIN AREA V START		500	0 - 1000	
8	CB - GAIN AREA H START		800	0 - 1000	
9	CB - GAIN AREA V START		500	0 - 1000	
10	CR - GAIN AREA H START		700	0 - 1000	

Group/ Item	Item Name	Function	Initial	Range	Note
11	CR - GAIN AREA V START		500	0 - 1000	
12	Image AREA H WIDTH	YCBCR Level Acquiring Area	13	0 - 4095	
13	Image AREA V HIGHT	YCBCR Level Acquiring Area Height	9	0 - 4095	
14	Y - OFFSET TARTGET		4	1 - 255	
15	CB OFFSET TARGET		128	1 - 255	
16	CR OFFSET TARGET		128	1 - 255	
17	Y-GAIN TARGET		217	1 - 255	
18	CB-GAINTARGET		237	1 - 255	
19	CR-GAINTARGET		237	1 - 255	
20	OFFSET torelance	Torelance of OFFSET Adj.	1	1 - 255	
21	GAIN torelance	Torelance of GAIN Adj.	1	1 - 255	
Group 270	**CUSTOM(Aspect)**				
0	Scaler Horizontal	Horizontal Scaler Edit	100	68-132	
1	Sclaler Vertical	Vertical Scaler Edit	100	68-132	
2	Connect	Seperate/Connect Edit	0	0-1	0:Seperate, 1: Connect
3	Position Horizontal	Horizontal Postion Correction	100	85-115	
4	Position Vertical	Vertical Position Correct	100	85-115	
5	Aspect Enable		0	0 - 1	0: False, 1: True
Group 275	**DLV Illuminance Sensor**				
0	Illuminance measurements(ADC)	Illuminance measurements(ADC)	-	0-255	* Read only
1	Illuminance data(Lx)	Illuminance data(Lx)	-	0-1023	* Read only
2	DLV_Level	DLV_Level value	-	0-3	* Read only
3	L1 Value(Floor)	Reference value switching Level1-> 0 when (illuminance value)	36	0-255	
4	L2 Value(Floor)	Reference value switching Level 0-> at the time of a value (brightness)	67	0-255	
5	L3 Value(Floor)	Reference value switching Level2-> when a (illuminance value)	86	0-255	
6	L4 Value(Floor)	Reference value switching Level1-> when 2 (illuminance value)	121	0-255	
7	L5 Value(Floor)	Reference value switching Level3-> when 2 (illuminance value)	161	0-255	
8	L6 Value(Floor)	Reference value switching Level2-> 3 o'clock (illuminance value)	202	0-255	
9	L1 Value(Ceiling)	Reference value switching Level1-> 0 when (illuminance value)	18	0-255	
10	L2 Value(Ceiling)	Reference value switching Level 0> at the time of a value (brightness)	21	0-255	
11	L3 Value(Ceiling)	Reference value switching Level2-> when a (illuminance value)	24	0-255	
12	L4 Value(Ceiling)	Reference value switching Level1-> when 2 (illuminance value)	32	0-255	
13	L5 Value((Ceiling)	Reference value switching Level3-> when 2 (illuminance value)	39	0-255	
14	L6 Value(Ceiling)	Reference value switching Level2-> 3 o'clock (illuminance value)	51	0-255	
15	DLV ON_Level	Level of DLL in the ON mode of DLV	3	0-3	
Group 276	**DLV Image quality correction**				
0	Color correction gain (PW)	To enable / disable color correction PW gain during DLV Auto / On	1	0-255	0:Enabel, 1:Disable
1	correction gain user R (Gamma)	To enable / disable user R gain compensation at the time of DLV Auto / On	1	0-255	0:Enabel, 1:Disable
2	Correction Sub Gamma (Gamma)	To enable / disable Sub Gamma correction when the DLV Auto / On	1	0-255	0:Enabel, 1:Disable
3	Sharpness correction (PW)	Enable / disable the correction of sharpness when DLV Auto / On	1	0-255	0:Enabel, 1:Disable
Group 280	**AutoPC Adjust**				
0	AutoPCAdjustEnable	Auto-PC Adj Operation Enable if Un-supported Signal Input	0	0-1	0:Enabel, 1:Disable
1	Frequency Step	Frequency Steps of Total Dot	1	0-3	
2	Frequency Threshold	Total Dot Freqency Threshold	5	0-10	0[]<-- - --> 10[Not matched]
3	Fine Phase	Do Phase Adj after Total Dot Adj.	1	0-1	0;Excutes Fine Phase; 1:Not Excute
4	BLKDET	Black Level Detection Area	1	0 - 7	
5	PHASEMSK	Phase Detection Filter	0	0 - 3	0: Effective All Bit, 1: Disable Lower 1 bit 2: Disable Lower 2 bit, 3: Disable Lower 3 bit
Group 290	**PanelType**				

Group/ Item	Item Name	Function	Initial	Range	Note
0	GammaL/R-View	Current Setting Check	0	0-20	0: Gamma for L-Turn 20: Gamma for R-Turn * Read only
1	GammaL/R-Change	Setting of Gamma	10	0-20	Sets L-Turn Gamma if the Value is set to 0. Sets R-Turn Gamma if the Value is set to 20.
Group 430	**Model No.Setting [No NAME]**				
0	Model No. Confirm	0 : No Name 1 : PT-VW430 2 : PT-VW430U 3 : PT-VW430E 4 : PT-VW430EJ 5 : PT-VW430EA 6 : PT-VW430EAJ 7 : PT-BX43C	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 430	**Model No.Setting [No NAME]**				
0	Model No. Confirm	0 : No Name 1 : PT-VX500 2 : PT-VX500U 3 : PT-VX500E 4 : PT-VX500EJ 5 : PT-VX500EA 6 : PT-VX500EAJ 7 : PT-BX50C 8 : No defined 9 : PT-VX501EA 10:PT-BX51C 11:No defined 12:No defined 13:PT-VX501U	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 431	**Model No.Setting [PT-VW430/PT-VX500]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 432	**Model No.Setting [PT-VW430U/PT-VX500U]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 433	**Model No.Setting [PT-VW430E/PT-VX500E]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 434	**Model No.Setting [PT-VW430EJ/PT-VX500EJ]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 435	**Model No.Setting [PT-VW430EA/PT-VX500EA]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 436	**Model No.Setting [PT-VW430EAJ/PT-VX500EAJ]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 437	**Model No.Setting [PT-BW43C/PT-BX50C]**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 439	**Model No.Setting [PT-VX501EA](Only for Model :PT-VX500)**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	

Group/ Item	Item Name	Function	Initial	Range	Note
Group 440	**Model No.Setting [PT-BX51C](Only for Model :PT-VX500)**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 443	**Model No.Setting [PT-VX501U](Only for Model :PT-VX500)**				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 500	**Composite (NTSC) Composite / S-Video**				
1	Disp Dots		668	0 ~ 4095	
2	H Back Porch		28	0 ~ 4095	
3	V Back Porch		18	0 ~ 4095	
4	Disp Line		458	0 ~ 4095	
Group 501	**Composite (PAL) Composite / S-Video**				
1	Disp Dots		658	0 ~ 4095	
2	H Back Porch		34	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
4	Disp Line		536	0 ~ 4095	
Group 502	**Composite (SECAM) Composite / S-Video**				
1	Disp Dots		652	0 ~ 4095	
2	H Back Porch		28	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
4	Disp Line		536	0 ~ 4095	
Group 510	**SCART(480i)**				
1	Disp Dots		674	0 ~ 4095	
2	H Back Porch		132	0 ~ 4095	
3	V Back Porch		43	0 ~ 4095	
4	Disp Line		452	0 ~ 4095	
Group 511	**SCART (575i)**				
1	Disp Dots		650	0 ~ 4095	
2	H Back Porch		152	0 ~ 4095	
3	V Back Porch		68	0 ~ 4095	
4	Disp Line		514	0 ~ 4095	
Group 520	**YCbCr (480i)**				
0	Total Dots		858	0 ~ 4095	
1	Disp Dots		670	0 ~ 4095	
2	H Back Porch		146	0 ~ 4095	
3	V Back Porch		48	0 ~ 4095	
4	Disp Line		458	0 ~ 4095	
Group 521	**YCbCr (575i)**				
0	Total Dots		864	0~4095	
1	Disp Dots		656	0~4095	
2	H Back Porch		162	0~4095	
3	V Back Porch		64	0~4095	
4	Disp Line		534	0~4095	
Group 522	**YCbCr (480P)**				
0	Total Dots		858	0 ~ 4095	* Read only
1	Disp Dots		684	0 ~ 4095	
2	H Back Porch		136	0 ~ 4095	
3	V Back Porch		46	0 ~ 4095	
4	Disp Line		460	0 ~ 4095	
Group 523	**YCbCr (575P)**				
0	Total Dots		864	0 ~ 4095	* Read only
1	Disp Dots		690	0 ~ 4095	
2	H Back Porch		142	0 ~ 4095	

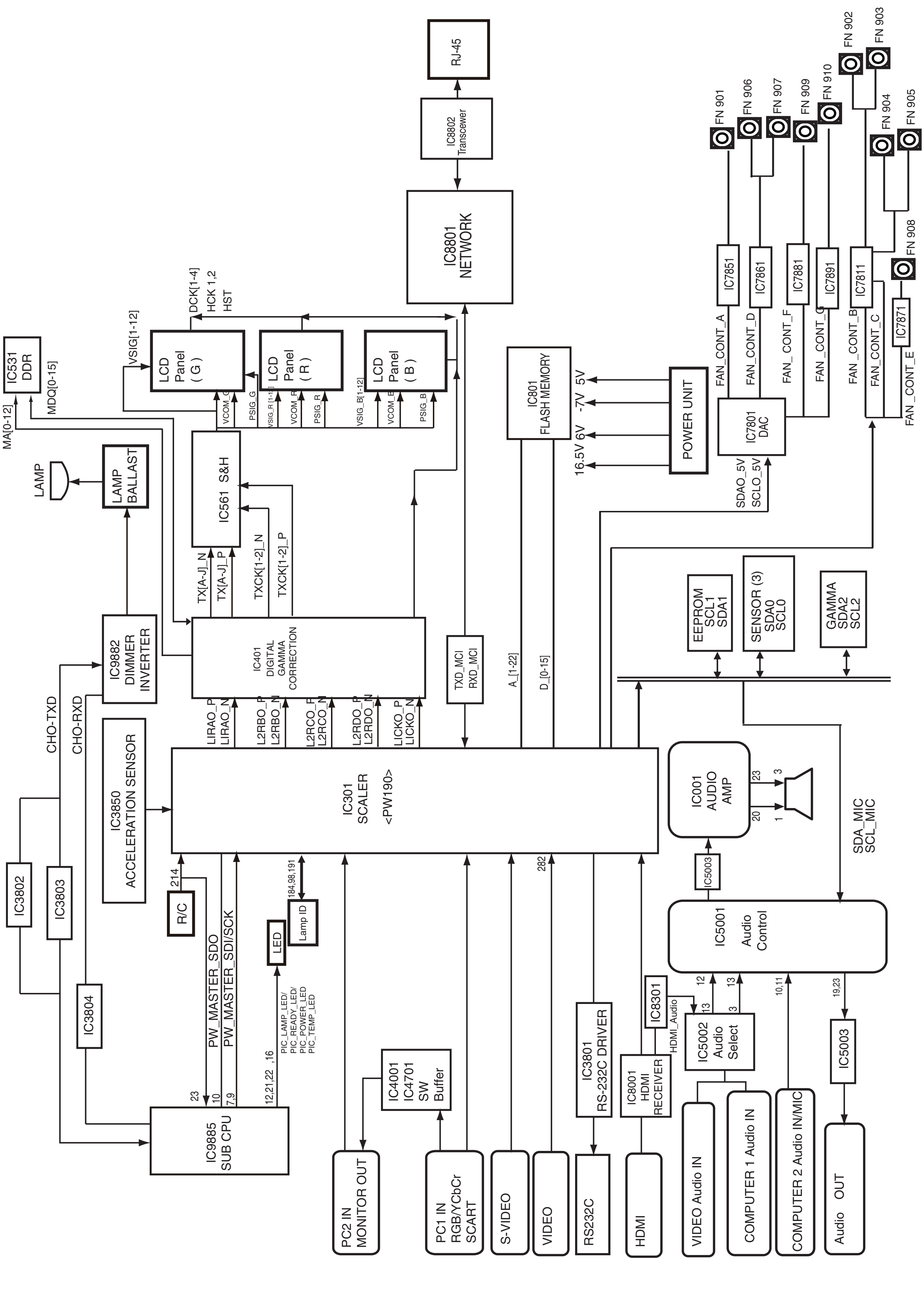
Group/ Item	Item Name	Function	Initial	Range	Note
3	V Back Porch		56	0 ~ 4095	
4	Disp Line		550	0 ~ 4095	
Group 524	**YCbCr (720P - 60)**				
0	Total Dots		1650	0 ~ 4095	* Read only
1	Disp Dots		1248	0 ~ 4095	
2	H Back Porch		313	0 ~ 4095	
3	V Back Porch		34	0 ~ 4095	
4	Disp Line		700	0 ~ 4095	
Group 525	**YCbCr (720P - 50)**				
0	Total Dots		1980	0 ~ 4095	* Read only
1	Disp Dots		1248	0 ~ 4095	
2	H Back Porch		338	0 ~ 4095	
3	V Back Porch		36	0 ~ 4095	
4	Disp Line		700	0 ~ 4095	
Group 526	**YCbCr (1080i - 60)**				
0	Total Dots		2200	0 ~ 4095	* Read only
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		256	0 ~ 4095	
3	V Back Porch		54	0 ~ 4095	
4	Disp Line		1052	0 ~ 4095	
Group 527	**YCbCr (1080i - 50)**				
0	Total Dots		2640	0 ~ 4095	* Read only
1	Disp Dots		1870	0 ~ 4095	
2	H Back Porch		257	0 ~ 4095	
3	V Back Porch		54	0 ~ 4095	
4	Disp Line		1052	0 ~ 4095	
Group 528	**YCbCr (1035i)**				
0	Total Dots		2200	0 ~ 4095	* Read only
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		256	0 ~ 4095	
3	V Back Porch		92	0 ~ 4095	
4	Disp Line		1012	0 ~ 4095	
Group 540	**RGB Video (480i)**				
0	Total Dots		960	0 ~ 4095	
1	Disp Dots		752	0 ~ 4095	
2	H Back Porch		166	0 ~ 4095	
3	V Back Porch		48	0 ~ 4095	
4	Disp Line		460	0 ~ 4095	
Group 541	**RGB Video (575i)**				
0	Total Dots		966	0 ~ 4095	
1	Disp Dots		736	0 ~ 4095	
2	H Back Porch		182	0 ~ 4095	
3	V Back Porch		66	0 ~ 4095	
4	Disp Line		536	0 ~ 4095	
Group 542	**RGB Video (480P)**				
0	Total Dots		960	0 ~ 4095	
1	Disp Dots		766	0 ~ 4095	
2	H Back Porch		156	0 ~ 4095	
3	V Back Porch		46	0 ~ 4095	
4	Disp Line		460	0 ~ 4095	
Group 543	**RGB Video (575P)**				
0	Total Dots		986	0 ~ 4095	
1	Disp Dots		774	0 ~ 4095	
2	H Back Porch		174	0 ~ 4095	
3	V Back Porch		62	0 ~ 4095	
4	Disp Line		540	0 ~ 4095	

Group/ Item	Item Name	Function	Initial	Range	Note
Group 544	**RGB Video (720P - 60)**				
0	Total Dots		1650	0 ~ 4095	
1	Disp Dots		1246	0 ~ 4095	
2	H Back Porch		318	0 ~ 4095	
3	V Back Porch		36	0 ~ 4095	
4	Disp Line		698	0 ~ 4095	
Group 545	**RGB Video (720P - 50)**				
0	Total Dots		1980	0 ~ 4095	
1	Disp Dots		1246	0 ~ 4095	
2	H Back Porch		310	0 ~ 4095	
3	V Back Porch		34	0 ~ 4095	
4	Disp Line		702	0 ~ 4095	
Group 546	**RGB Video (1080i - 60)**				
0	Total Dots		2200	0 ~ 4095	
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		260	0 ~ 4095	
3	V Back Porch		58	0 ~ 4095	
4	Disp Line		1046	0 ~ 4095	
Group 547	**RGB Video (1080i - 50)**				
0	Total Dots		2640	0 ~ 4095	
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		260	0 ~ 4095	
3	V Back Porch		56	0 ~ 4095	
4	Disp Line		1050	0 ~ 4095	
Group 548	**RGB Video (1035i)**				
0	Total Dots		2200	0 ~ 4095	
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		260	0 ~ 4095	
3	V Back Porch		92	0 ~ 4095	
4	Disp Line		1008	0 ~ 4095	
Group 560	**HDCP (480P)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	
Group 561	**HDCP (575P)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	
Group 562	**HDCP (720P -60)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	
Group 563	**HDCP (720P -50)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	
Group 564	**HDCP (1080i -60)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	
Group 565	**HDCP (1080i -50)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	
Group 566	**HDCP (1035i)**				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBEG		2	0 ~ 15	

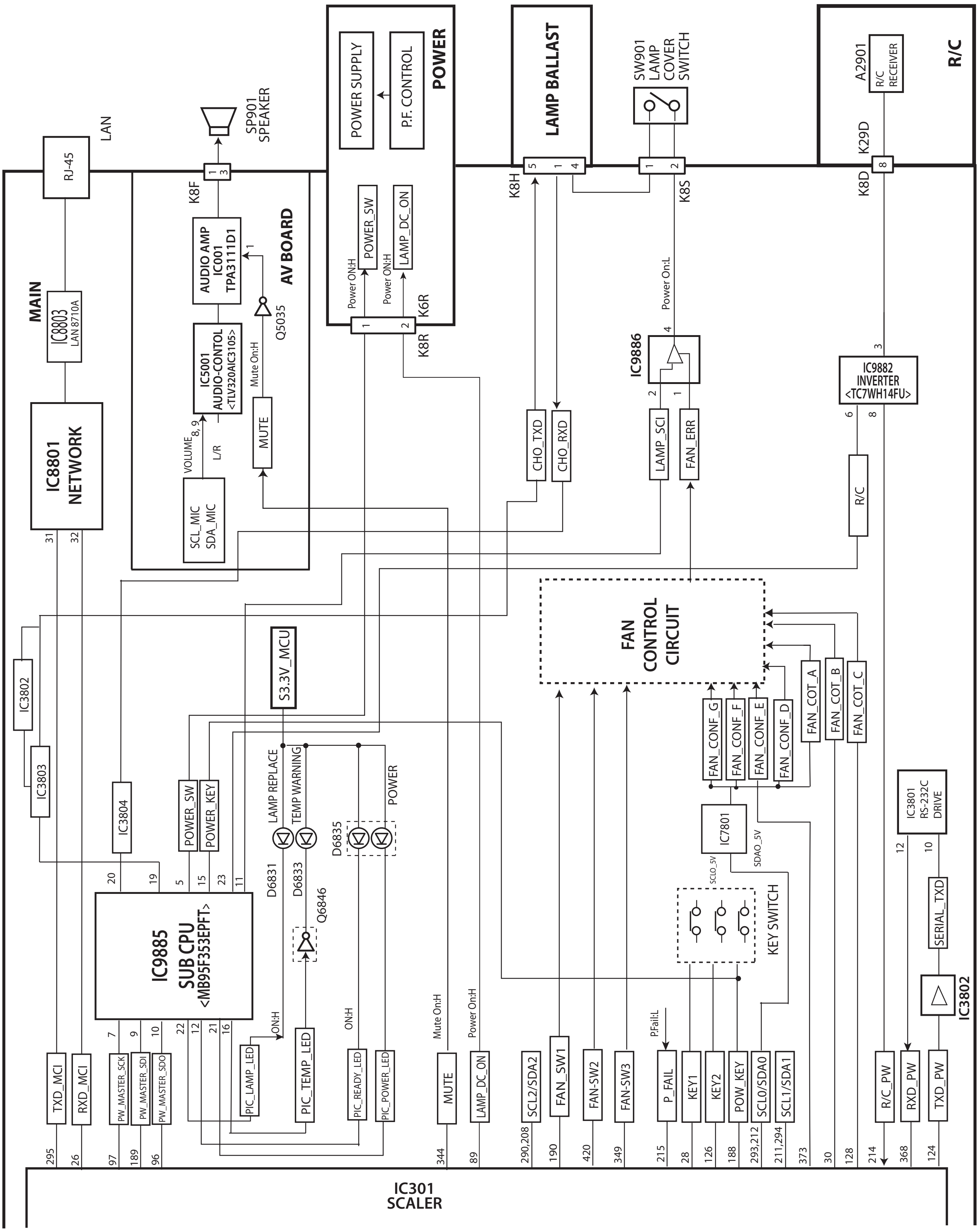
Group/ Item	Item Name	Function	Initial	Range	Note
Group 981	**Color Shading Adj Offset**				
0	R-Max		128	0 - 255	
1	R-Mid1		128	0 - 255	
2	R-Mid2		128	0 - 255	
3	R-Min		128	0 - 255	
4	G-Max		128	0 - 255	
5	G-Mid1		128	0 - 255	
6	G-Mid2		128	0 - 255	
7	G-Min		128	0 - 255	
8	B-Max		128	0 - 255	
9	B-Mid1		128	0 - 255	
10	B-Mid2		128	0 - 255	
11	B-Min		128	0 - 255	

Chassis Block Diagrams

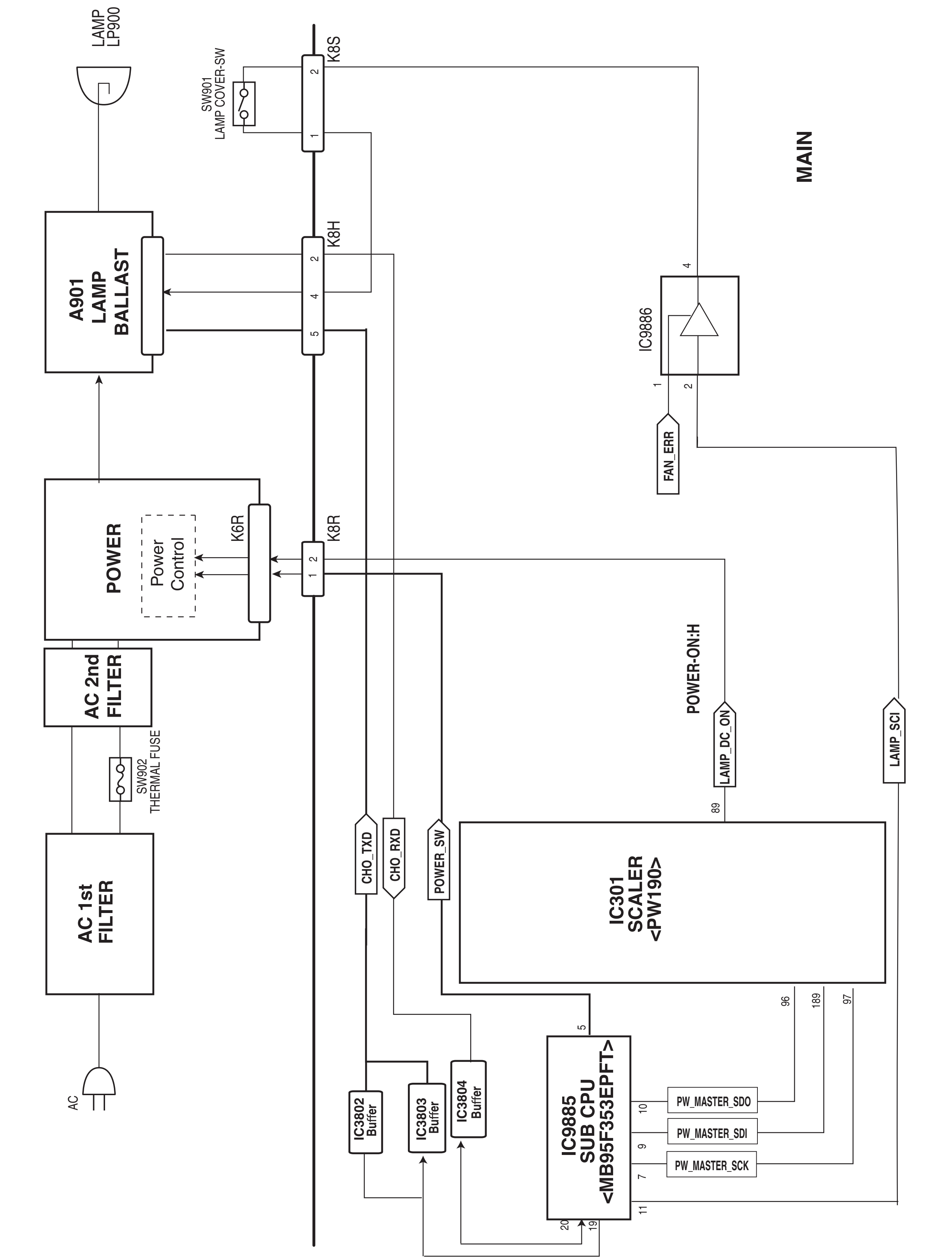
Chassis over view



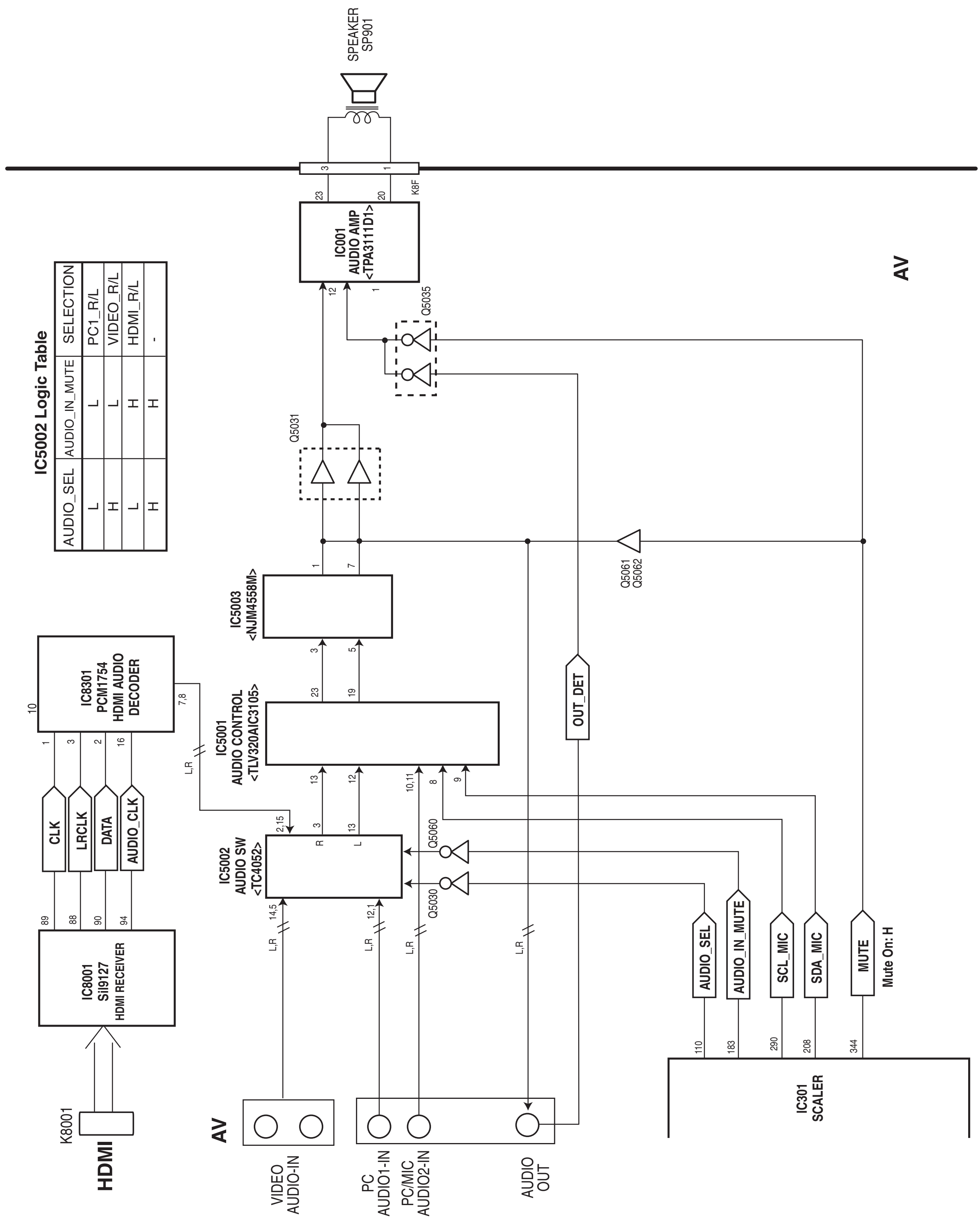
System control



Lamp control



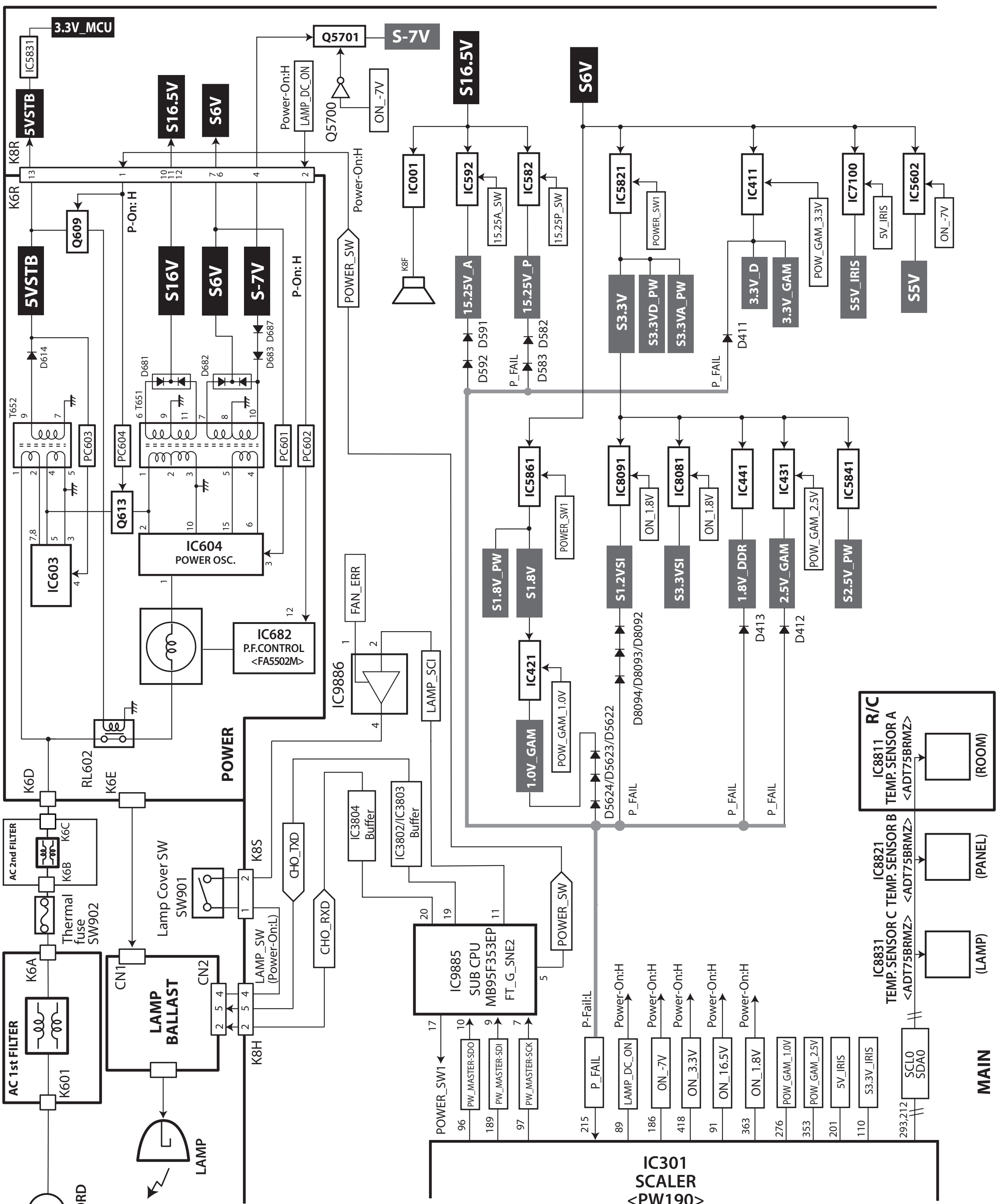
Audio circuit



IC5002 Logic Table

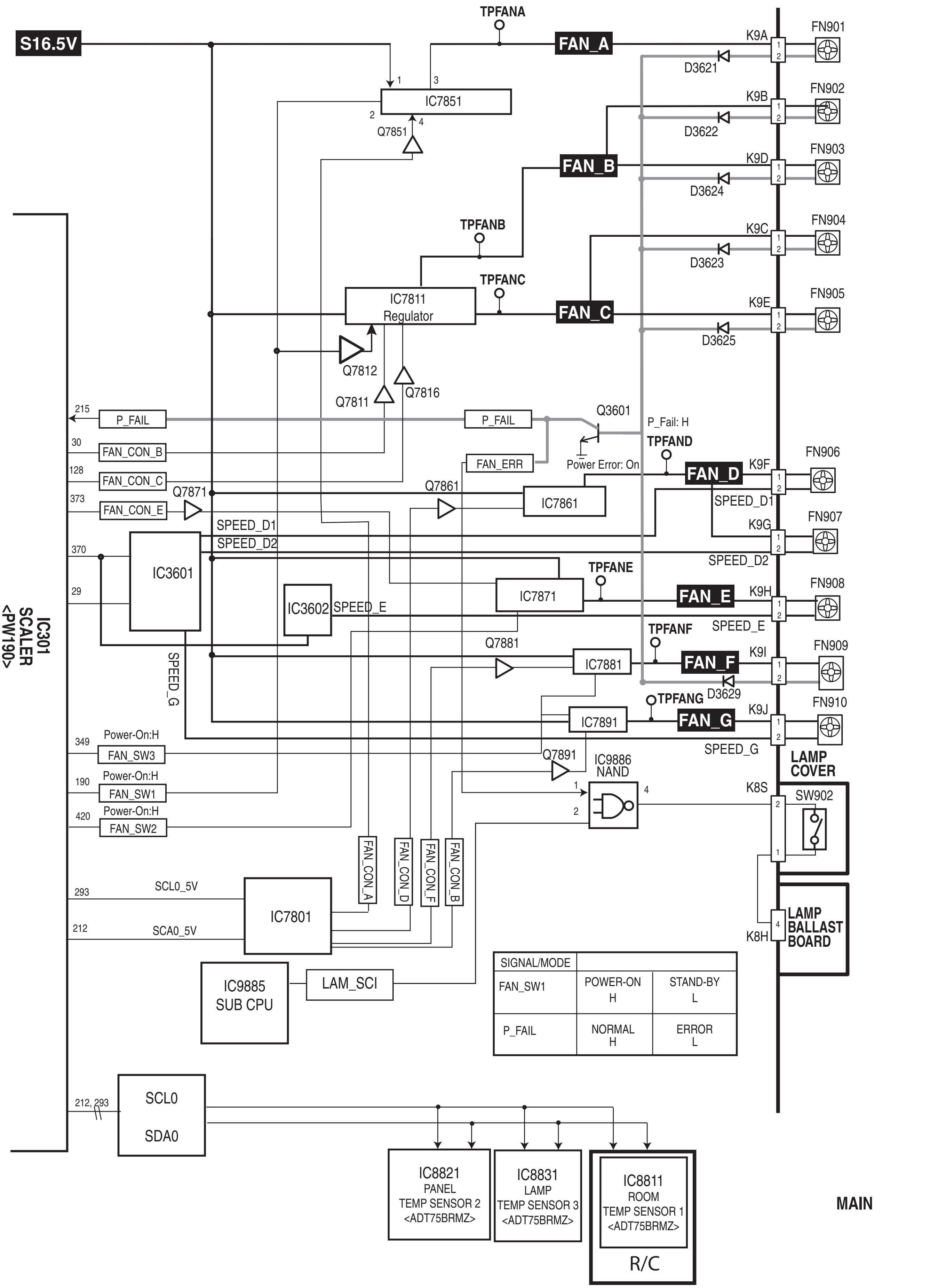
AUDIO_SEL	AUDIO_IN_MUTE	SELECTION
L	L	PC1_R/L
H	L	VIDEO_R/L
L	H	HDMI_R/L
H	H	-

Power supply & protection circuit



STATUS SIGNAL	ON	STAND BY	
		ECO	NETWORK
LAMP_DC_ON	H	L	
POWER_SW	H	L	H

Fan control circuit



SIGNAL/MODE		
FAN_SW1	POWER-ON H	STAND-BY L
P_FAIL	NORMAL H	ERROR L

Troubleshooting

Indicators and projector condition

Each indicator on the projector indicates the operating status of the projector. If you find the un-expected operation during usage, check the projector's operation with the tables below. The indicators also let you know the maintenance sign. To use the projector in the best performance for a long period of time, take an adequate maintenance according to the indicator status.

ON(G)/STANDBY(R) indicator

Indicator status		Status
No illumination or flashing		The power cord is unplugged.
RED	**Lit**	The power cord is plugged
		The projector is in stand-by mode, after the cooling is completed.
ORANGE	**Flashing**	The projector is cooling down. The projector cannot be turned on until cooling is completed and the <ON(G)/STANDBY(R)> indicator stops blinking.
		The temperature inside the projector is abnormally high. And the <WARNING> indicator also blinks in red. The projector cannot be turned on until cooling is completed and the <ON(G)/STANDBY(R)> indicator stops blinking.
GREEN	**Lit**	Projecting.
	Flashing	The projector is in stand-by status with [Power management] function. The projection lamp will be turned on if the input signal is reconnected or any button on the control panel or remote control is pressed.

LAMP indicator

Indicator	Lighting in yellow
Status	The projection lamp reaches its end of life.
Check	Is there a Lamp replacement icon appears on the screen?
Remedy	Replace the lamp unit.

WARNING indicator

Indicator	Lights in red.	Blinks in red.
Status	The projector detects an abnormal condition and cannot be turned on.	If the temperature within the projector becomes too high, the <WARNING> indicator will start to flash slowly. If the temperature within the projector becomes even higher, the <WARNING> indicator will flash faster, and the <ON(G)/STANDBY(R)> indicator blinks in orange. When the projector has cooled inside and returned to operating temperature, it will turn off automatically.
Check	Unplug the AC power cord and plug it again to turn on the projector.	- Did you provide appropriate space for the projector to be ventilated? Check the installing condition to see if the air vents of the projector are not blocked. - Has the projector been installed near an Air-Conditioning/ Heating Duct or Vent? - Are the filters clean?
Remedy	If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup.	- Provide good installing condition to your projector. - Move the installation of the projector away from the duct or vent. - Replace filters.

Note:

-If <WARNING> indicator persists to light or blink after taking these measurements, please contact your dealer for repair services. Do not leave the projector on. It may cause an electric shock or a fire hazard.

- The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup. Do not leave the projector on. It may cause an electric shock or a fire hazard.

No power

This projector provides a function which can be specified a defective area simply by indicating the LEDs. Connect the AC cord and press the ⏻/| button once and then check the LED indication.

- **When all of LED indicators are not lighting**, the symptom indicates that the primary power supply circuit does not operate properly. Check the power primary circuit and parts as follow;
  AC cord, F601 (Fuse), Power board, SW902 (Thermal fuse)
  SW902 opens when the surrounding temperature of the switch exceeds 113°C.

- **When the WARNING (red) and ON(G)/STANDBY(R) (orange) indicators are flashing**, the symptom indicates that the projector detected an abnormal temperature risen inside the projector. Check the air filters and remove the object near the intake and exhaust fan openings, and wait until the ON(G)/STANDBY(R) indicator stops flashing, and then try to turn on the projector.
  The internal temperature is monitored by sensor ICs, IC8831, IC8821 on the MAIN board and IC8811 on the R/C board.

- **When the WARNING indicator lights red**, the symptom indicates that the projector detected an abnormality in the cooling fan operation or in the power supply secondary circuits. Check fan operation and power supply lines, and the driving signal status.
  The P_FAIL signal (Error: L), FAN_ERR_B signal (Error: L) and FAN_FAIL1 signal (Error:L) are sent to pins, 215 and 29 of IC301 <SYSTEM CONTROL> respectively when the abnormality occurred inside the projector, and then the IC301 sends the shutdown signal, LAMP_DC_ON, to the power supply circuit to stop its operation, and signal LAMP_SCI to the lamp ballast board via IC9885 and SW901<lamp cover switch> to stop operation of the lamp circuit.

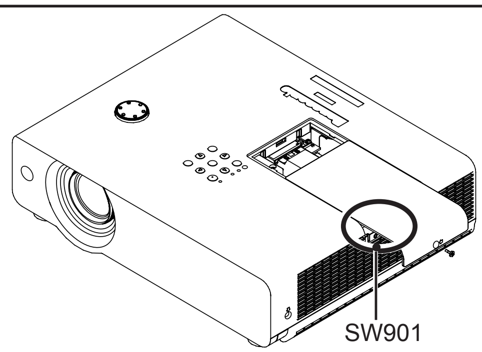
  An abnormality occurs on the secondary power supply;
  Check power supplies S16.5V, S6V, S-7V.5VSTB, P_FAIL signal becomes Low when the abnormality occurs on any of the power supply lines.

  An abnormality occurs on the fan control circuit;
  If fans FN901, FN902, FN903, FN904, FN905,FN909 has an error, the FAN_ERR and P_FAIL, FAN_ERR_B signals become "L". If fans FN906,FN907,FN908,FN910 has an error, the Fan fail signals become "L".
  The FAN_ERR signal cuts off the LAMP_SCI signal which is supplied to the lamp ballast board if the FAN_ERR signal is "L".

  An abnormality occurs on the drive signals;
  The driving signals for the each power supply are shown in the table below.

Drive signal	Output IC	Pin	I/O	Level	Switch/IC	Power/Circuit
15.25P_SW	IC501	42	O	H	IC582	15.25V
12.25A_SW		154	O	H	IC592	15.25V_A
POW_GAM_3.3V	IC301	276	O	H	IC411	3.3V
POW_GAM_2.5V		353	O	H	IC431	2.5V
POW_GAM_1.8V		271	O	H	IC441	1.8V
POW_GAM_1.0V		276	O	H	IC421	1.0V
POWER_SW1	IC9885	17	O	H	IC5821 IC5861	S3.3V S1.8V
POWER_SW		5	O	H	RL601	Standby circuit

Lamp cover switch
Make sure that the lamp cover is mounted correctly. If not or the lamp cover removed, the lamp does not light on for the safety. Check the lamp cover and lamp cover switch (SW901).



No picture

Check following steps.

No picture with all of input sources

Yes → Check signal processing stage and LCD driving stage;
- Check RGB S&H signals at test points VSIG_G1, VSIG_R1, VSIG_B1.
- Check power supply circuit S16.5V and peripheral circuit.
- Check IC IC501, IC301 and peripheral circuits.

No ↓

No picture with PC1 input source only

Yes → Check IC301<Scaler>, IC5301<HV Sync SW> and peripheral circuit.
R1, G1, B1 signals are applied at pins 82, 260, 258 and HS1, VS1 signals are applied at pins 331, 161 of IC301.

No ↓

No picture with PC2 input source only

Yes → Check IC301<Scaler>, IC5301<HV Sync SW> and peripheral circuit.
R2, G2, B2 signals are applied at pins 172, 78, 256 and HS2, VS2 signals are applied at pins 253, 66 of IC301.

No ↓

No picture with all of computer input sources

Yes → Check PC/AV source selecting stage and processing stage;
- Check IC301<Scaler> and peripheral circuit.

No ↓

No picture with video input sources

Yes → Check AV source selecting and decoding stage;

S-Video source
- Check S-video signal (Y/C).
- S_CHROMA signal is applied to pin 265 of IC301<Scaler>, and S-Y signal is applied on pin 262 of IC301.

Composite video source
- Check composite video signal (Video).
- The composite video signal is applied to pins 109 of IC301 <Scaler>.

No ↓

No picture with HDMI input sources

→ Check IC8001 <HDMI driver> , IC301<Scaler> and the peripheral circuits.

No sound

Check following steps.

Check if the audio signal is observed at pins 19 and 23 of IC5001.

No →

Check IC5001 and peripheral circuit.
Check the Pins 7 and 32 of IC5001, the voltage is respectively S3.3V and S1.8V.
Check IC5002<Audio SW> and peripheral circuit.
Video: Pin 9: L, Pin 10: H
PC1: Pin 9: L, Pin 10: L
HDMI: Pin 9: H, Pin 10: L

Yes ↓

Check if the audio signal is observed at pins 1 and 7 of IC5003.

No →

Check IC5003 and peripheral circuit.
Check S-7V at pin 4 of IC5003 and S5V at pin 8 of IC5003 power supply.

Yes ↓

Check if the audio signal is observed at pins 20 and 23 of IC001.

No →

Check IC001 and peripheral circuit.
Check the mute signal at pin 1 of IC001. The mute signal is output from pin 344 of IC 301<Scaler>. The OUT_DET signal is sent from Audio Out terminal.
Mute-On: H at pin 344 of IC301, L at pin 1 of IC001.

Yes ↓

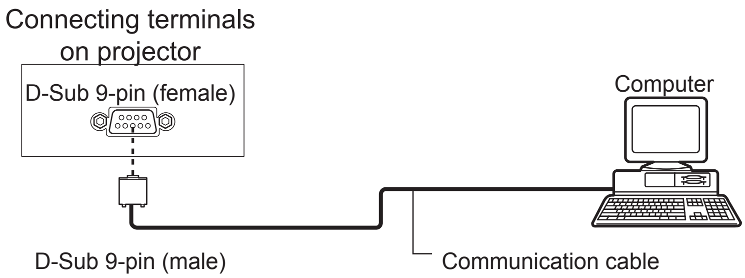
Check audio output circuit.
Check speaker, connection of the terminal “K8F”.

Serial Control

Serial terminal

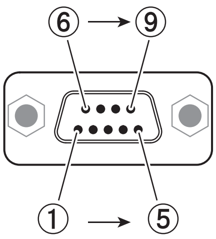
The serial connector which is on the connector panel of the projector conforms to the RS-232C interface specification, so that the projector can be controlled by a personal computer which is connected to this connector.

Connection



Pin assignments and signal names

D-Sub 9-pin (female)
Outside view



Pin No.	Signal name	Contents
①	—	NC
②	TXD	Transmitted data
③	RXD	Received data
④	—	NC
⑤	GND	Earth
⑥	—	NC
⑦	CTS	Connected internally
⑧	RTS	Connected internally
⑨	—	NC

Communication conditions

Signal level	RS-232C-compliant
Sync. method	Asynchronous
Baud rate	19 200 bps
Parity	None

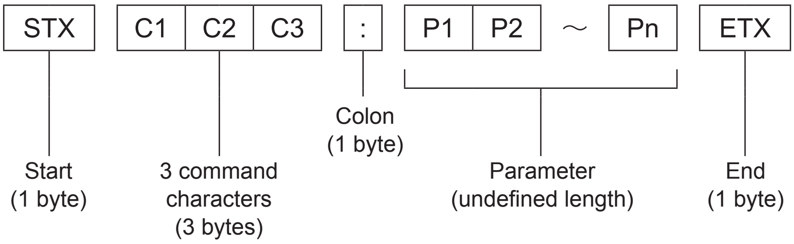
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

Note

- When [AMX D. D.] function is set to [On] under the [Network] menu, the Baud rate will change to 9 600 bps automatically.

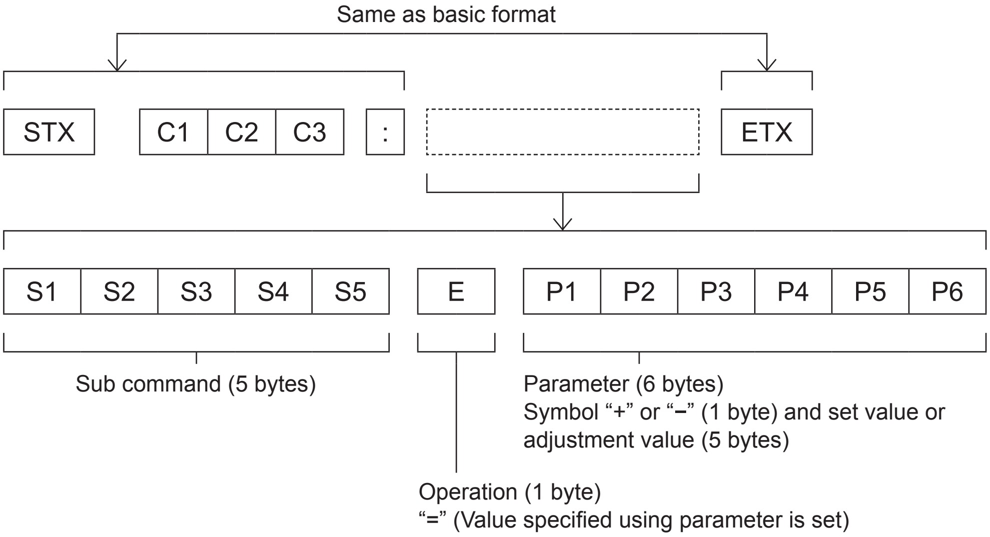
Basic format

Transmission from the computer begins with STX, then the command, parameter, and ETX are sent in this order. Add parameters according to the details of control.



∗: When sending commands without parameters, a colon (:) is not necessary.

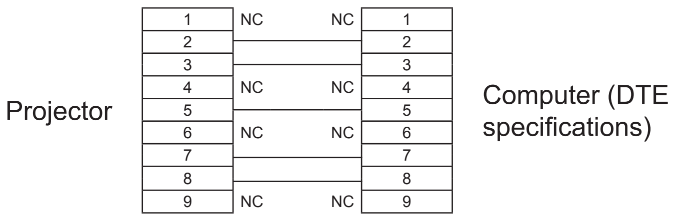
Basic format (with sub command)



∗: When transmitting a command which does not need a parameter, the operation (E) and parameter are not necessary.

Cable specifications

[When connected to a computer]



Control commands

When controlling the projector from a computer, the following commands are available:

[Projector control command]

Command	Control contents	Remarks
PON	Power [ON]	
POF	Power [OFF]	
IIS	INPUT selection	(Parameter) VID = Video SVD = S-video RG1 = Computer 1(RGB) RG2 = Computer 2(RGB) HD1 = HDMI SCT = Computer 1(Scart)
OSH	AV mute function	Turning off the projection and sound temporarily. Sending the command switches [ON]/[OFF]. Do not switch ON/OFF in a short period of time.
OFZ	Freeze	Sending the command switches [ON]/[OFF].
AUU	Volume up	
AUD	Volume down	
DZU	D. ZOOM up	
DZD	D. ZOOM down	
QPW	Power query	000 = Standby 001 = Power on
Q$S	Lamp condition query	(Call back) 0 = Stand-by 1 = Lamp ON control active 2 = Lamp ON 3 = Lamp OFF control active

Control Port Functions

Scaler I/O port functions (PW190)

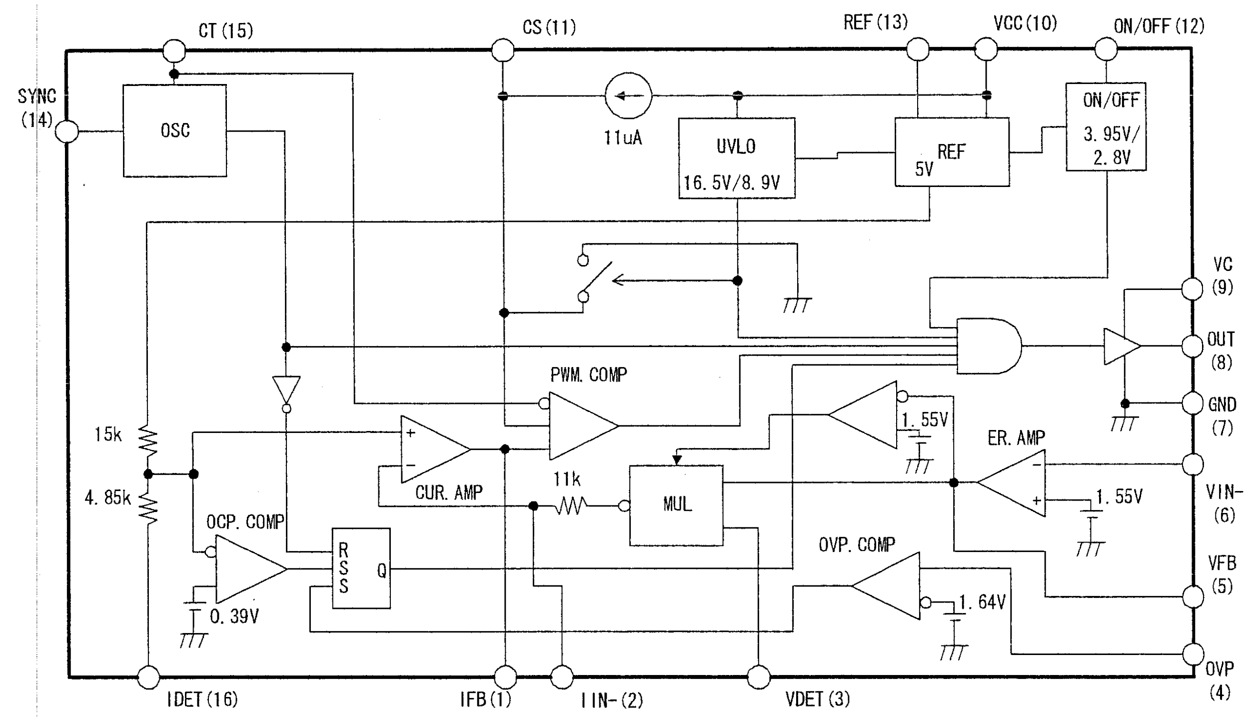
PIN NO.	PORT NO.	SIGNAL NAME	DESCRIPTION	I/O
1	A1	PW_UPDATE	LAN control	O
11	A11	ON_5V	High=S5VA ON	O
26	A26	RXD_MCI	UART,LAN Serial port	I
101	B2	DDC_SW1	High=DDC R/W,Low=Read only	O
110	B11	S3.3V_IRIS	IRIS CONTROL	O
111	B12	RESET_MIC	3105 Reset	O
124	B25	TXD_PW	UART, Serial port	O
99	C1	MIC_OFF	Mic ON/OFF SW	O
201	C11	5V_IRIS	IRIS CONTROL	O
202	C12	SIRST	9127 Reset	O
205	C15	PW_NMCLR	LAN	O
208	C18	SDA2	GAMMA	O
211	C21	SCL1	EEPROM	O
212	C22	SDA0	Sensor/Sil9127/M62393	O
28	C26	KEY1	Input/Select/Keystone	I
98	D1	PW_LAMP_ID_B		-
191	D2	PW_LAMP_ID_C	Lamp ID control	-
276	D3	POW_GAM_1.0V	Gamma IC 1.0V ON/OFF	O
278	D5	ID_PWR_SW	High=ID board Power ON	O
285	D12	POWER_ON_LAN	LAN Power SW: High=ON	O
290	D17	SCL2	GAMMA	O
293	D20	SCL0	Sensor/Sil9127/M62393	O
294	D21	SDA1	EEPROM	O
295	D22	TXD_MCI	UART, LAN Serial port	O
296	D23	PW_CEC_A	SIL9127	I
215	D24	P-FAIL	Power Fail Detect	I
126	D25	KEY2	Menu/P-up/P-down/P-left/p-right	I
29	D26	FAN_ERR_B	Lamp&Power fan fail detect	I
190	E2	FAN_SW1	High=Panel&PBS Fan ON	O
275	E3	POW_GAM_3.3V	Gamma IC 3.3V ON/OFF	O
352	E4	AUDIO_IN_MUTE	Low=Input audio mute	O
353	E5	POW_GAM_2.5V	Gamma IC 2.5V ON/OFF	O
362	E14	PC1_L_OFF	High=PC1_L_OFF	O
363	E15	ON_1.8V	High=HDMI Power ON	O
368	E20	RXD_PW	UART, Serial port	I
370	E22	FAN_FAIL1	Fan fail detect	I
30	E26	FAN_CONT_B	FAN SPEED CONTROL	O
420	F5	FAN_SW2	High=Lamp IN FanON	O
128	F25	FAN_CONT_C	FAN SPEED CONTROL	O
188	G2	POWER_KEY	Power key detect	I
273	G3	SCS_SUB	SUBCPU enable	O
419	G5	PW_LAMP_ID_PROG	Lamp ID control	O
94	H1	IRIS_EN	IRIS CONTROL	O
187	H2	IRIS_CK	IRIS CONTROL	O
349	H4	FAN_SW3	High=Exhaust Fan ON	O
418	H5	ON_3.3V	CHO_TXD signal SW	O
373	H22	FAN_CONT_E	FAN SPEEDCONTROL	O

Control port functions

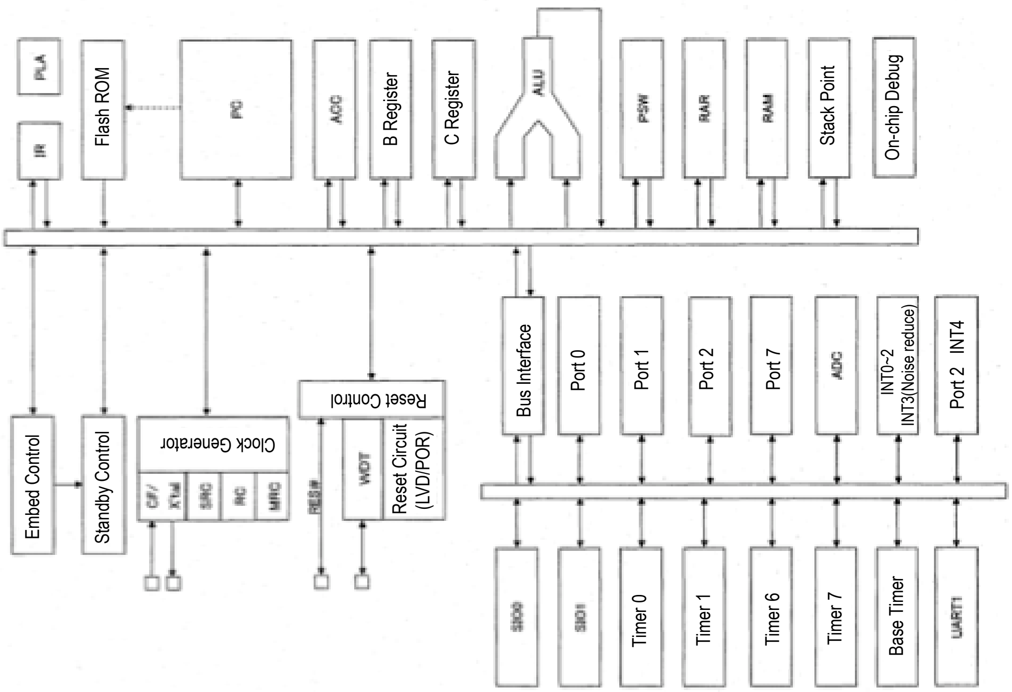
PIN NO.	PORT NO.	SIGNAL NAME	DESCRIPTION	I/O
348	J4	PW_BUSY	LAN	I
271	J3	POW_GAM_1.8V	Gamma IC 1.8V ON/OFF	O
93	J1	IRIS_STB	IRIS CONTROL	O
92	K1	SDA_MIC	MIC	O
185	K2	SCL_MIC	MIC	O
347	K4	LAMP_DET	LAMP detect	I
91	L1	ON_16.5V	16.5V ON/OFF	O
184	L2	PW_LAMP_ID_A	lamp ID control	I
269	L3	SCDT	SIL9127 sync detect	I
90	M1	IRIS_CW	IRIS CONTROL	O
183	M2	IRIS_RST	IRIS CONTROL	O
474	N6	IRIS_STAT	IRIS CONTROL	I
89	N1	LAMP_DC_ON	High=Lamp power ON	O
182	N2	AUDIO_SEL	High=PC audio,Low=Video audio	O
267	N3	RST_GAM	Low=3551&3828 reset	O
344	N4	MUTE	Mute_ON : H	O
186	J2	ON_-7V	High=-7V&S5V ON	O
110	B11	S3.3V_IRIS	RIS CONTROL	O
96	F1	PW_MASTER_SDO	SUBCPU Communication	O
189	F2	PW_MASTER_SDI	SUBCPU Communication	I
97	E1	PW_MASTER_SCK	SUBCPU Communication	O
127	E25	DLVD	DAY LIGHT VOLOTAGE DECT	I
298	F23	FAN_FAIL2	LAMP FAN FAIL DETECT	I
216	E24	P_FAIL_LAN	LAN Power Fail Detect	I
413	N5	MONIT_OUT	Low=in, High=Monit OUT	O
329	AC9	A[22]	A[22]	O
249	AD10	SIEVNODD	Even or Odd field detect	I
160	AE12	A[20]	A[20]	O
65	AF12	A[21]	A[21]	O
154	AE18	SIINT	Sil9127 INTERRRUPT	I
214	C24	R/C_PW	R/C RECEIVER	I

IC Block Diagrams

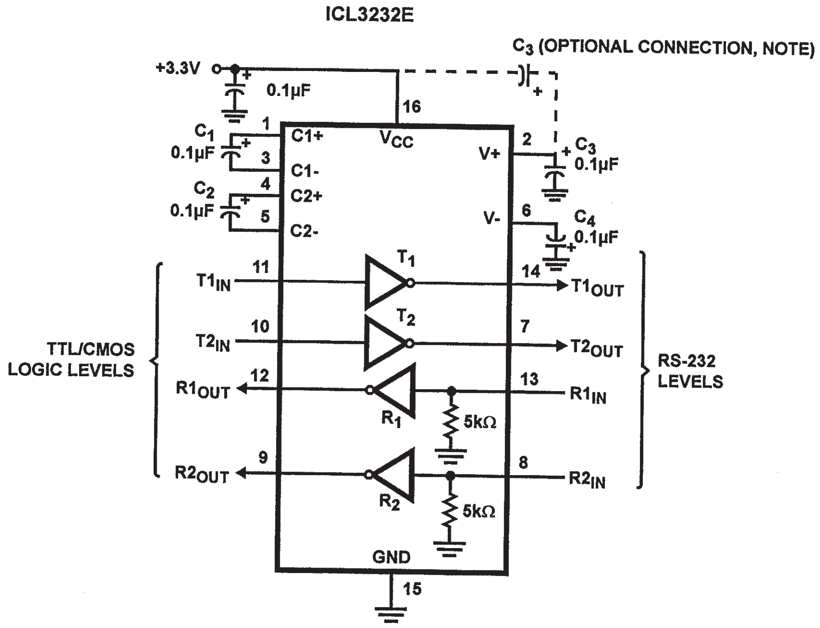
● FA5502M <P.F. control, IC682>



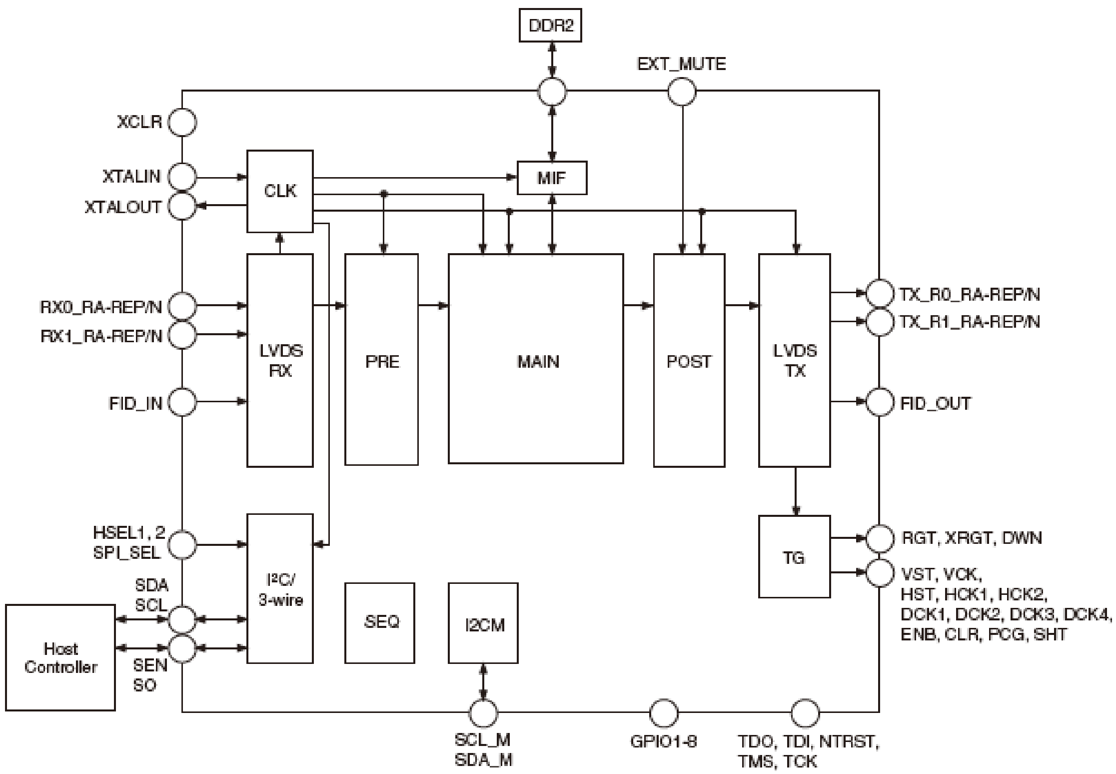
● LC87F2G08AUSSOP <Sub CPU, IC9885>



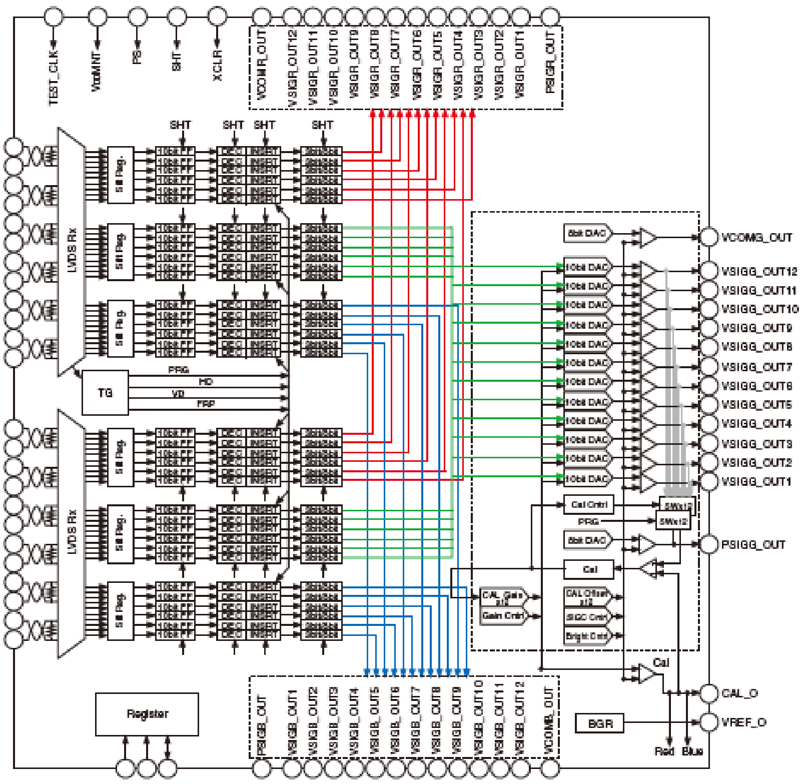
● ICL3232ECV <RS-232C driver, IC3801>



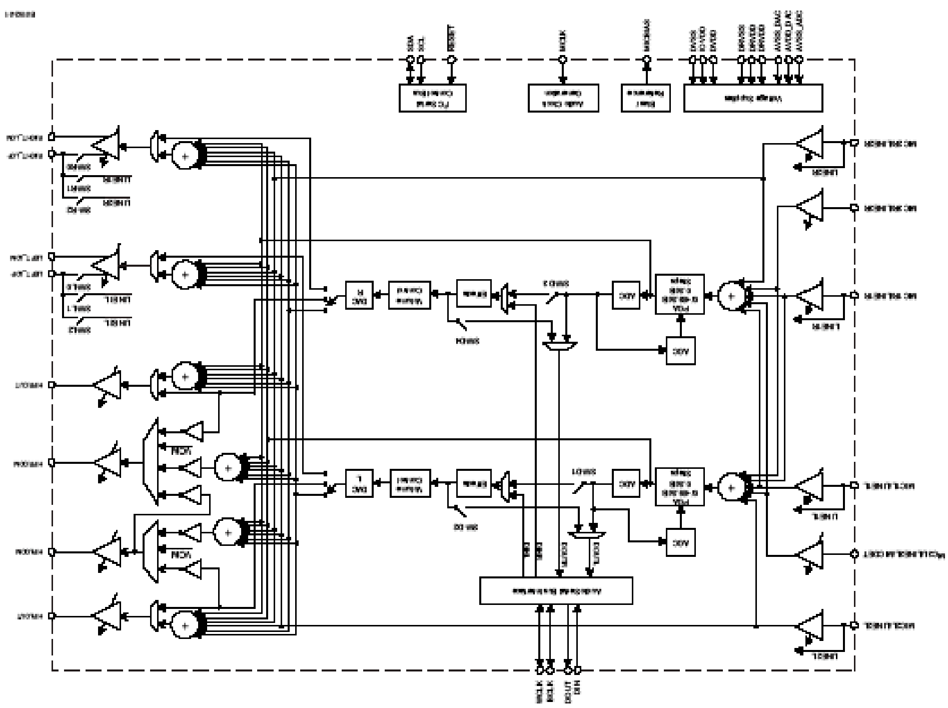
● CXD3551GG(E)<GAMMA, IC501>



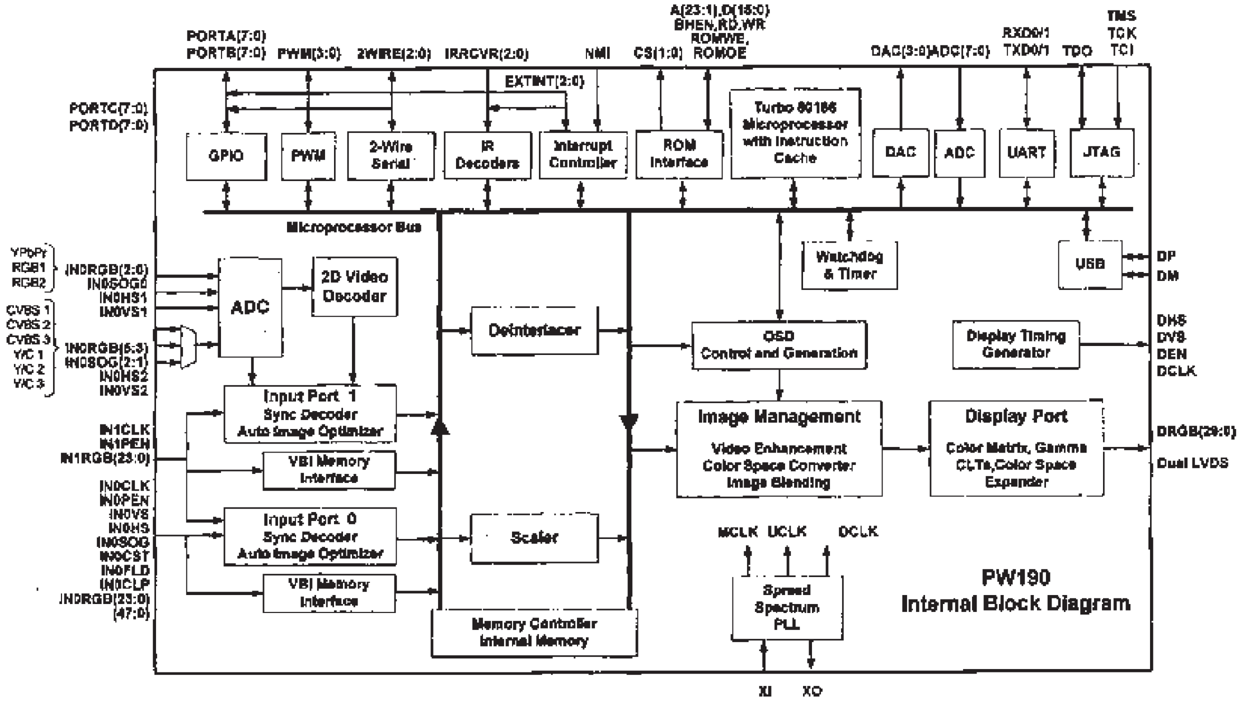
● CXA3828GL(E) <S&H, IC561>



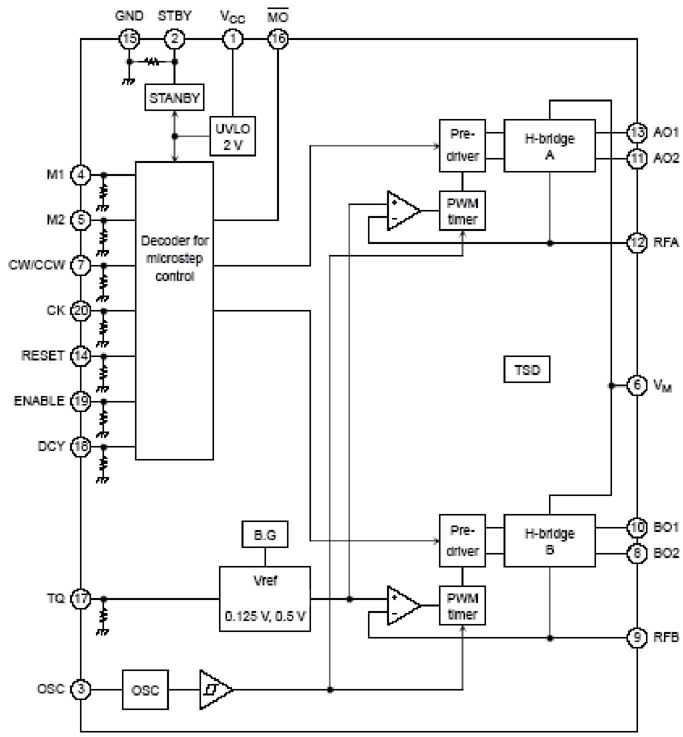
● TLV320AIC3105 <Audio control, IC5001>



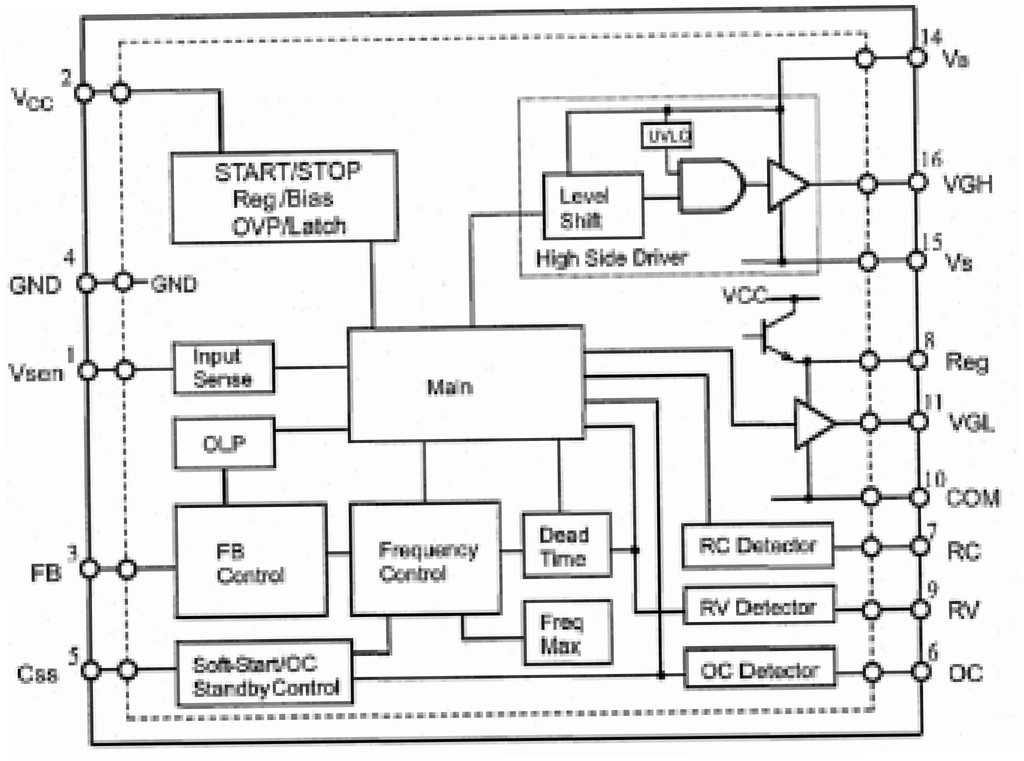
● PW190 <Scaler, IC301>



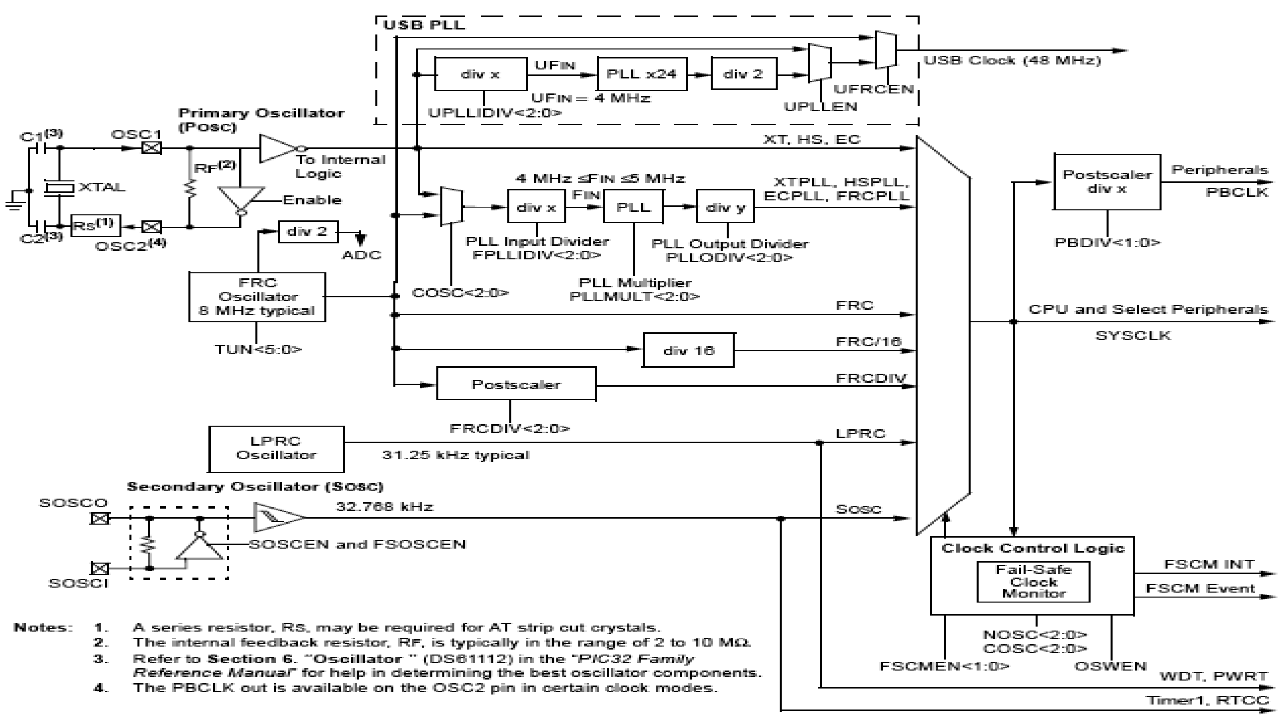
● TB6608FNG <IRIS Driver, IC601>



● SSC9512S <Power Switching, IC604>

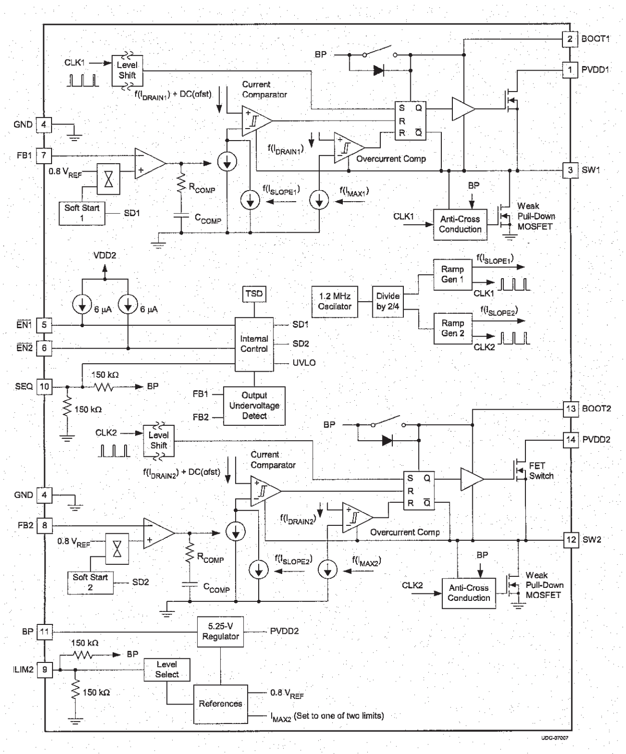


● PIC32MX695F512H<Netwrok, IC8801>

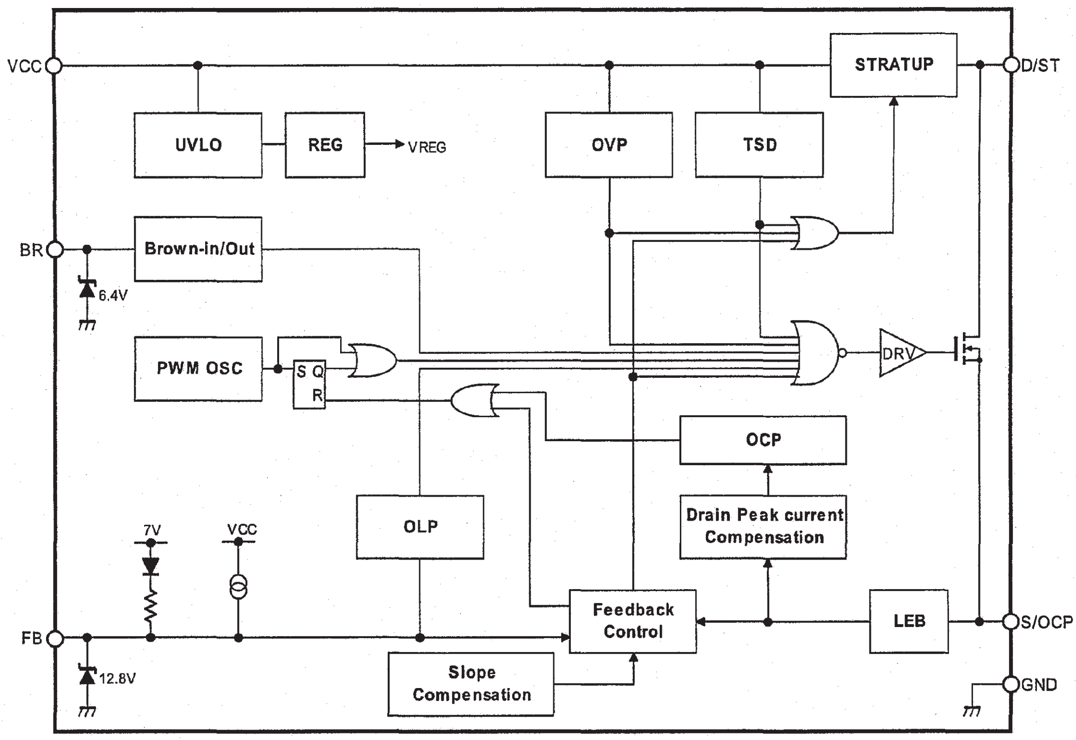


Notes:
1. A series resistor, RS, may be required for AT strip cut crystals.
2. The internal feedback resistor, RF, is typically in the range of 2 to 10 MΩ.
3. Refer to **Section 6. "Oscillator"** (DS61112) in the "*PIC32 Family Reference Manual*" for help in determining the best oscillator components.
4. The PBCLK out is available on the OSC2 pin in certain clock modes.

● TPS54286 <DC-DC converter, IC7811>



● STR-A6079 <Power switching, IC603>



Exploded Views
Parts List

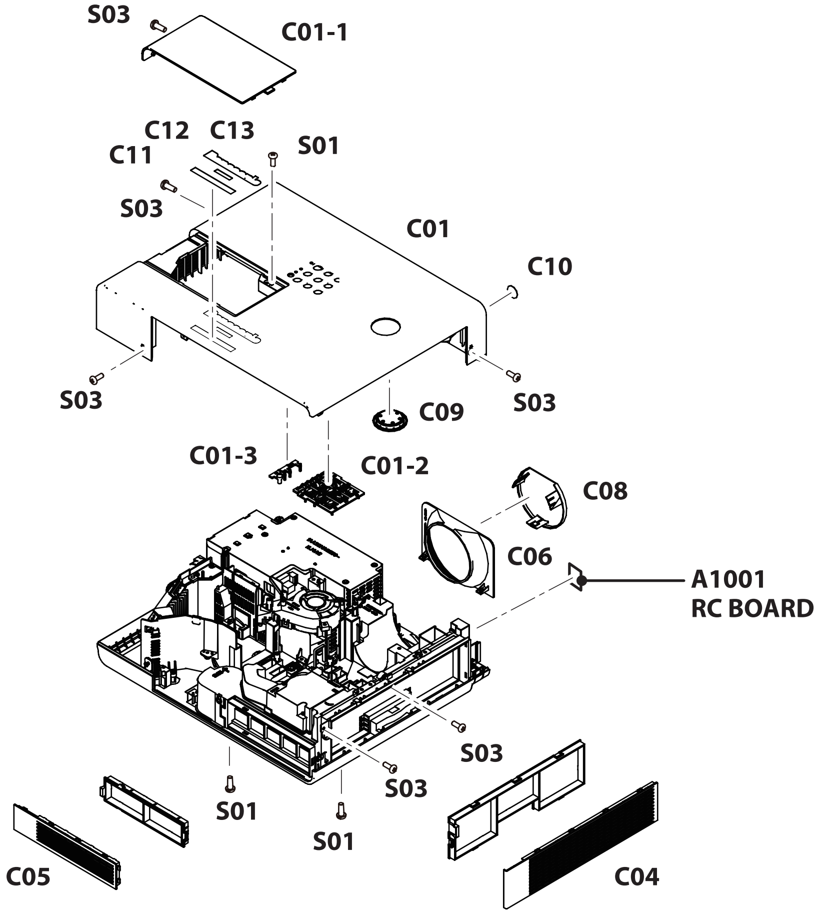
Models PT-VX500U
PT-VX500E
PT-VX500EA
PT-VW430U
PT-VW430E
PT-VW430EA

Important Safety Notice
Components identificated by the International symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

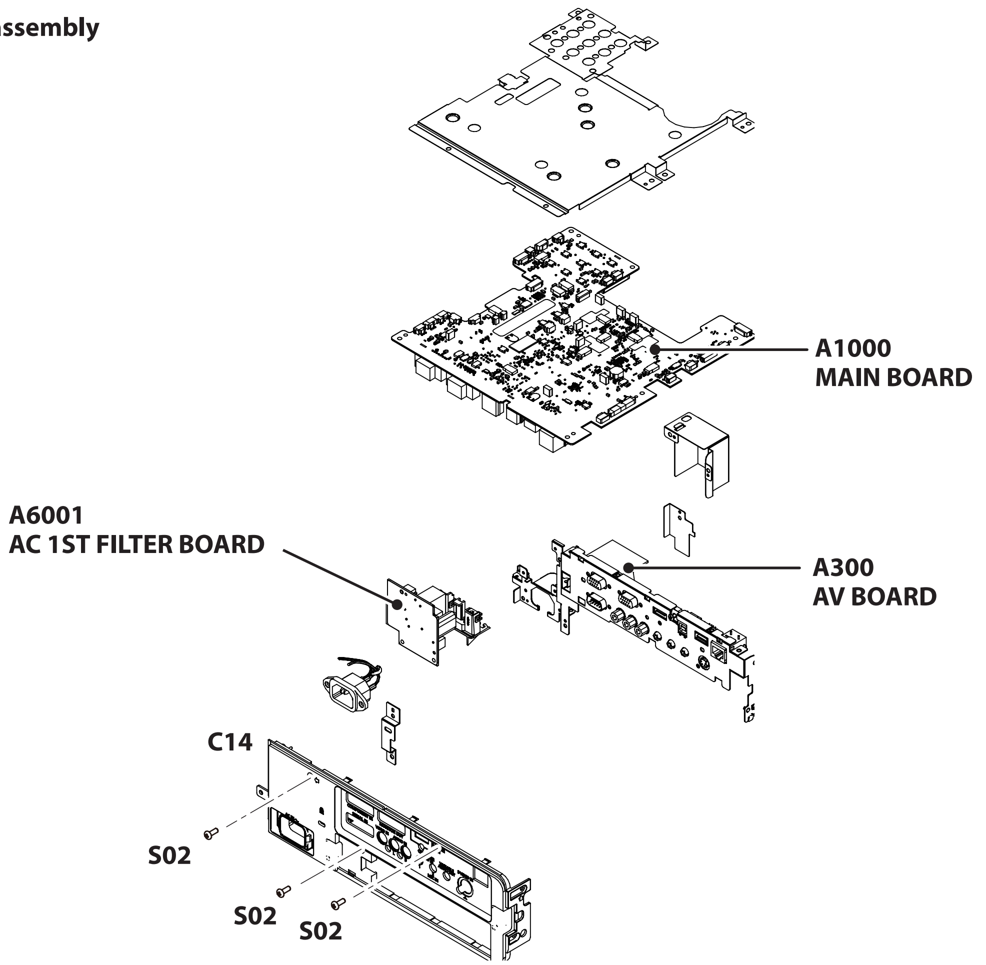
Before ordering the service parts, comfirm the parts number with the Ref. No in the parts list and the exploded view.

Exploded Views

Cabinet top assembly

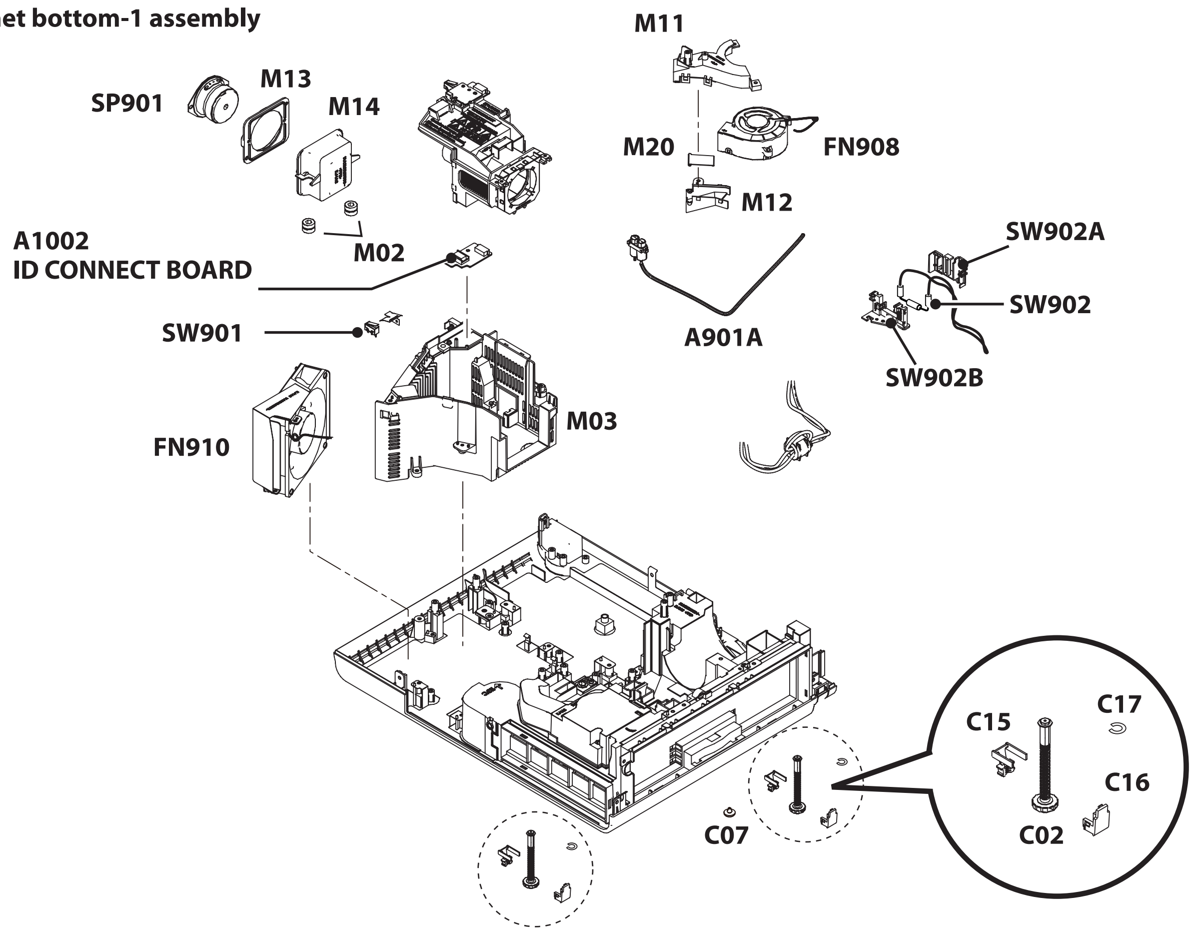


Main and A/V assembly

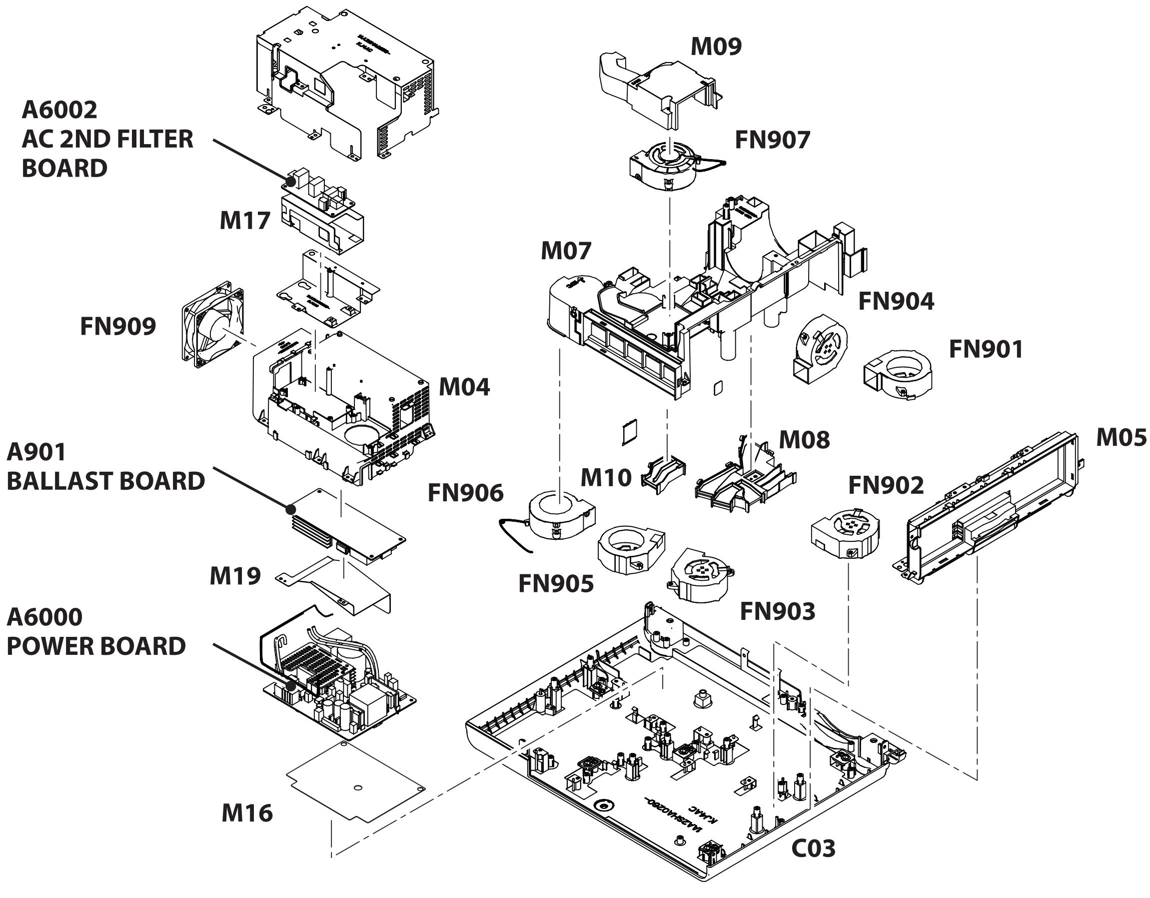


Exploded Views

Cabinet bottom-1 assembly

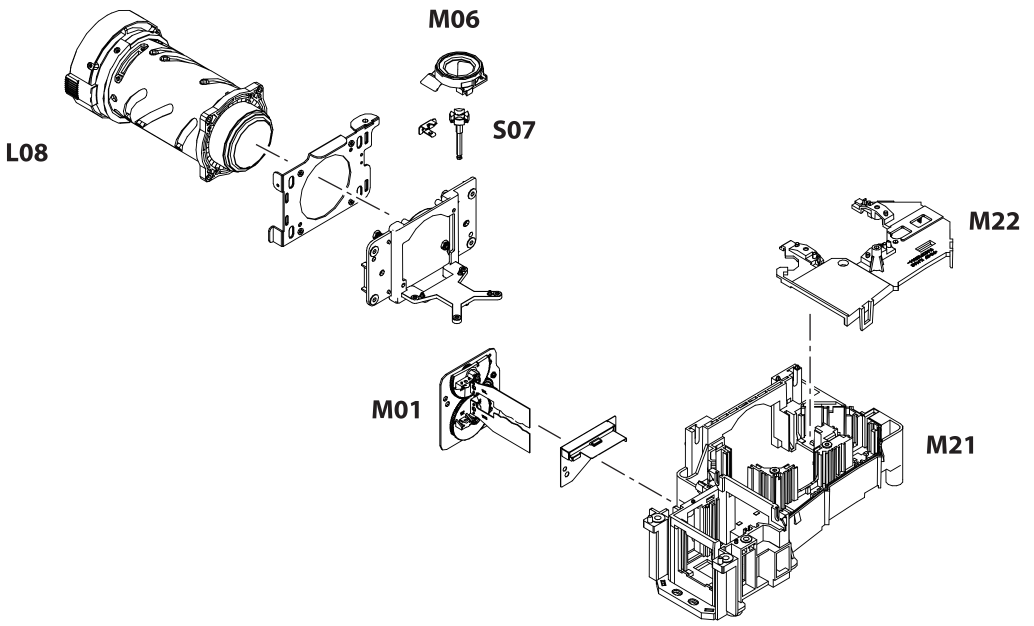


Cabinet bottom-2 assembly

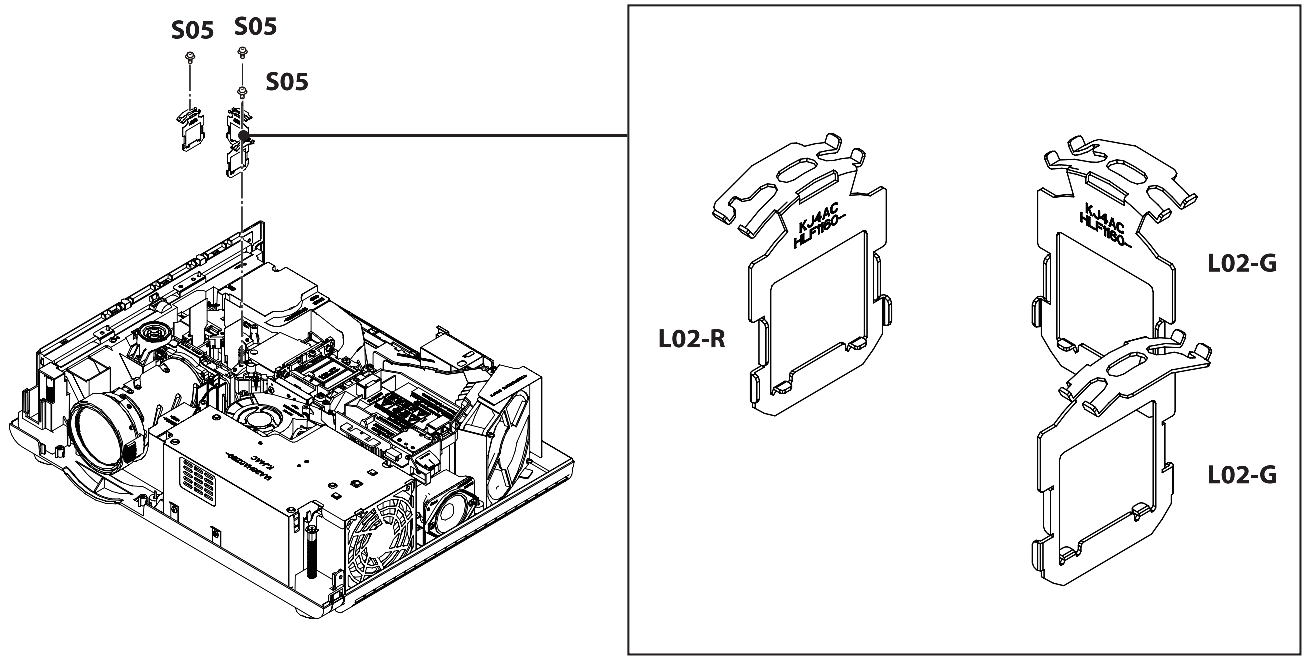


Exploded Views

Projection lens and iris assembly

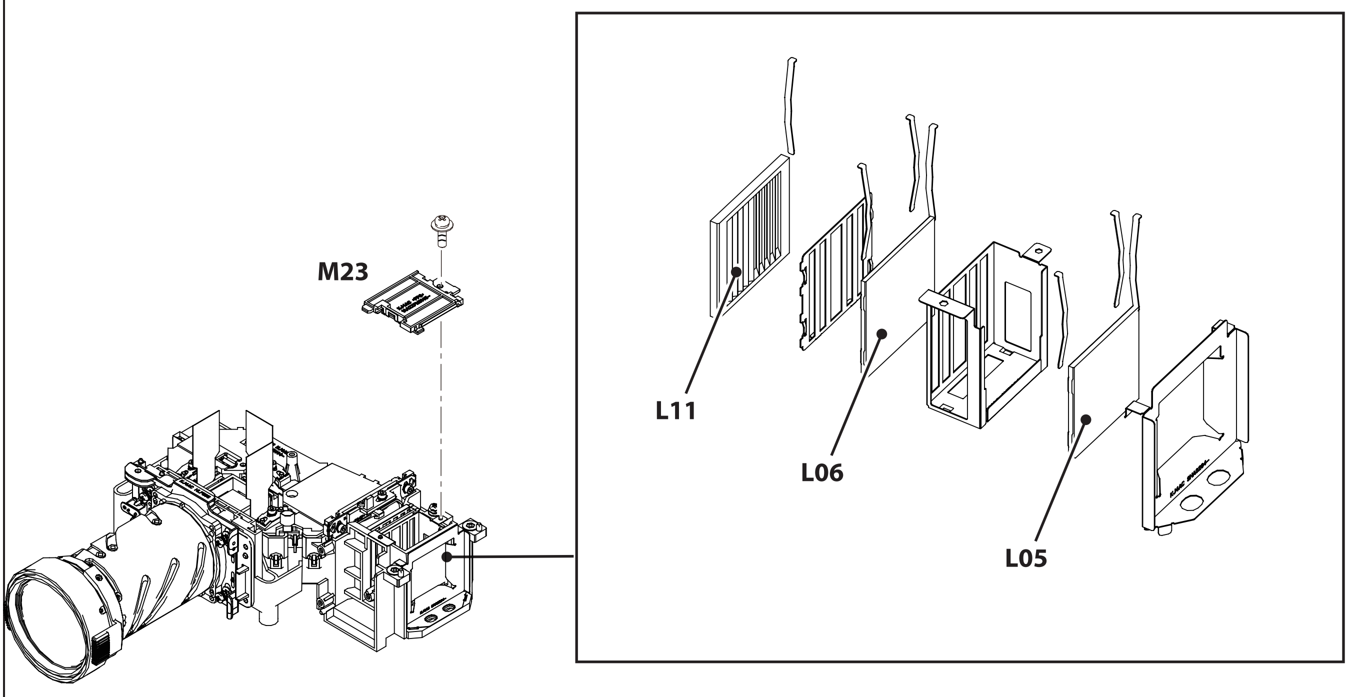


Polarized glass(OUT)

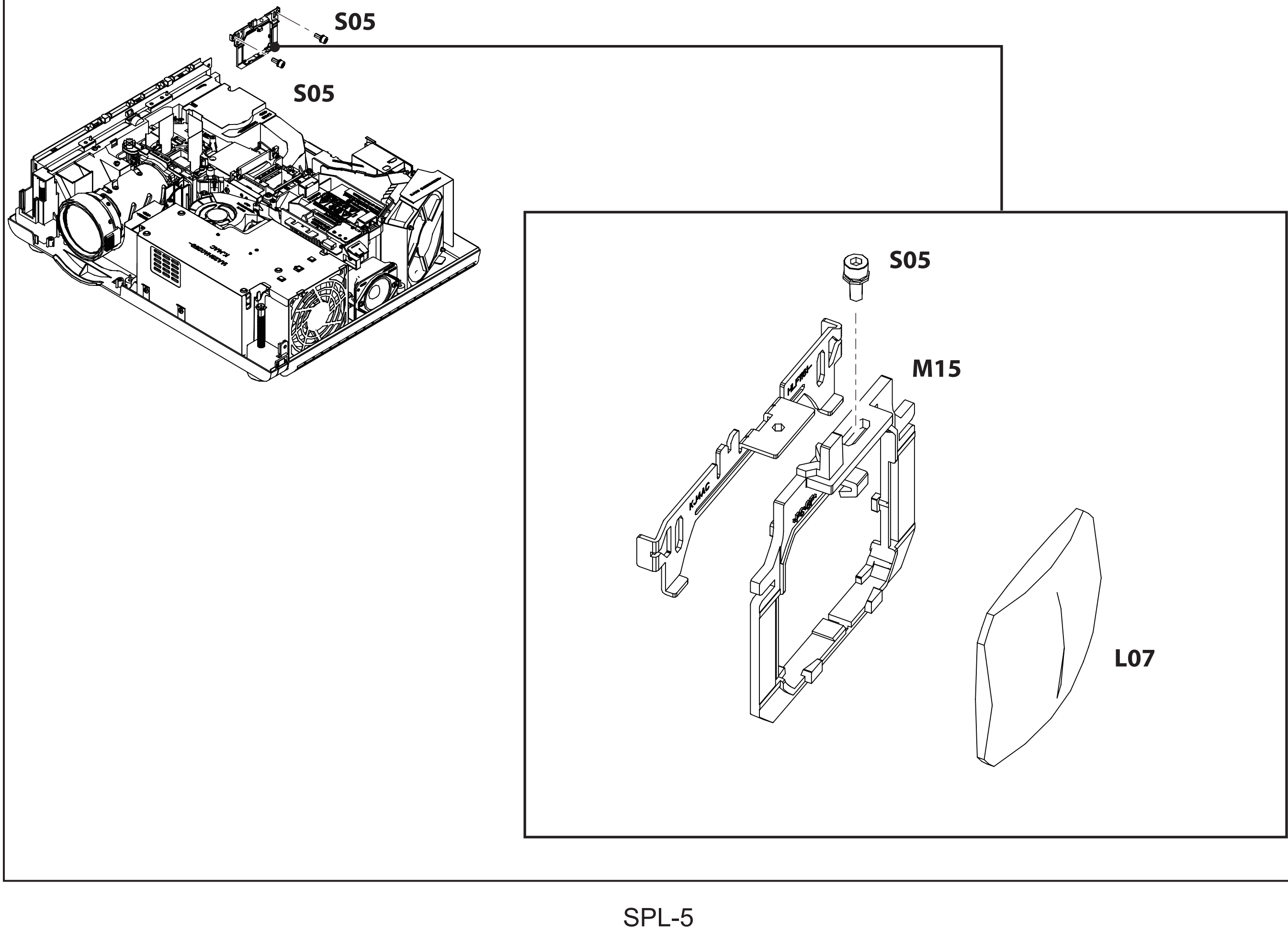


Exploded Views

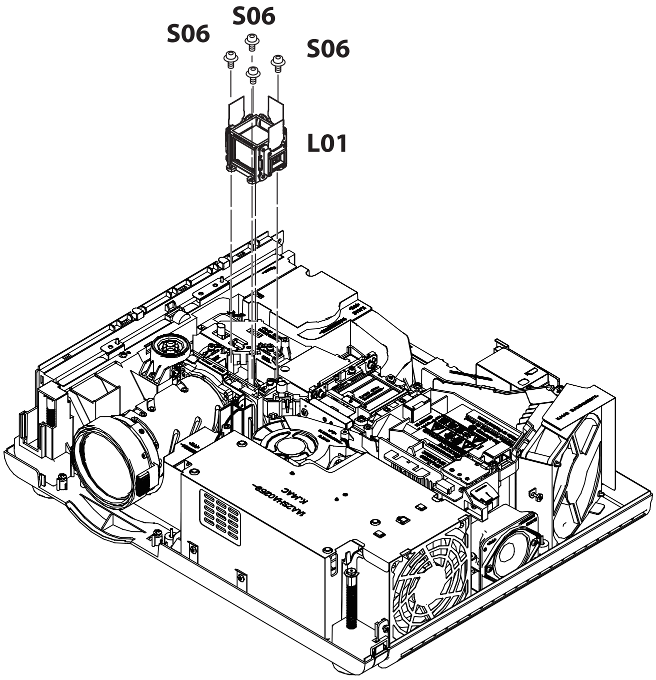
Integrator lens assembly



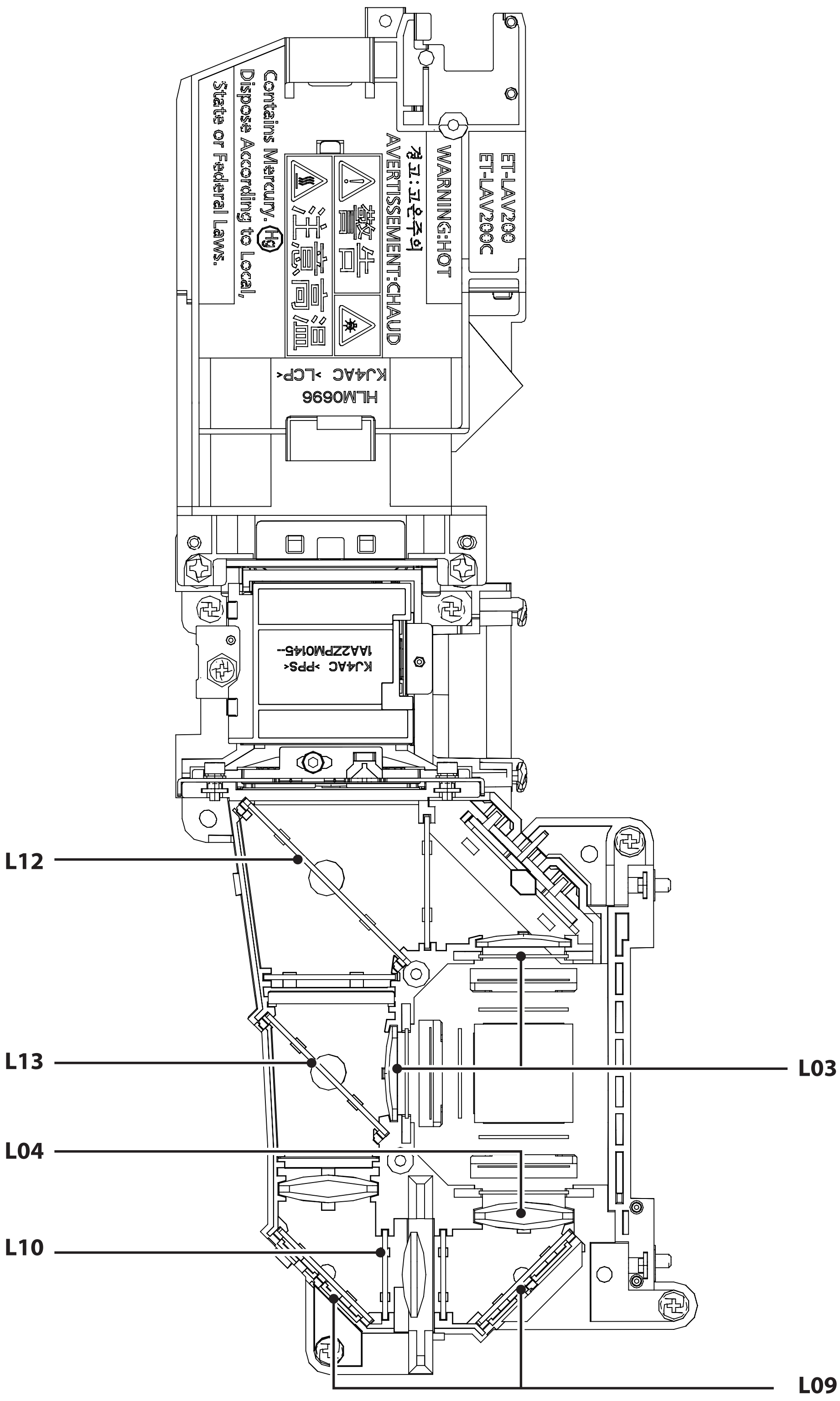
Condenser lens (OUT) assembly



LCD Panel/Prism assembly

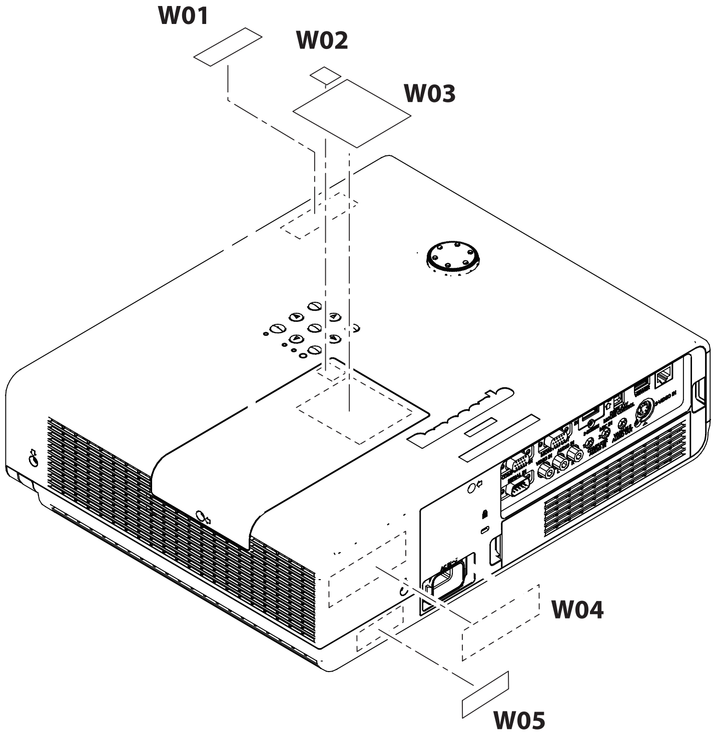


● In the optical unit

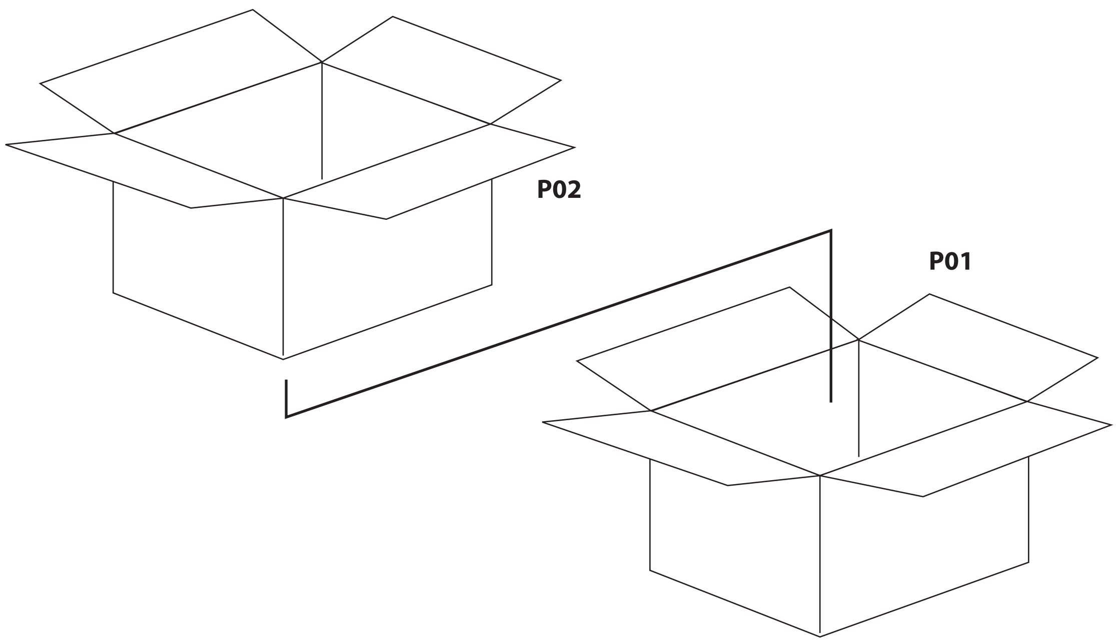


CAUTION:
Part must be placed in specified direction when replacing the optical parts. Please see “Optical Parts Disassembly” for further instructions.

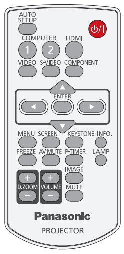
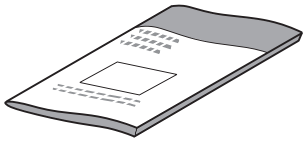
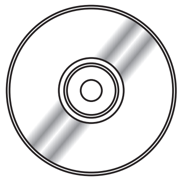
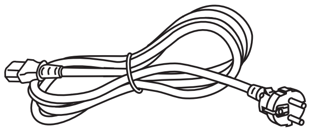
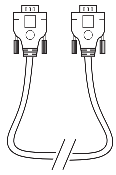
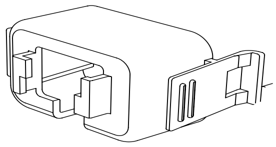
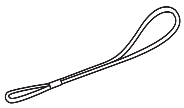
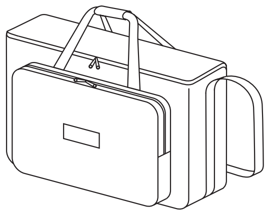
Labels



Packing



● Accessories (see accessories parts list)

REMOTE CONTROL	MANUALs	CD-ROMs
		
Power cord(x1)		RGB signal CABLE
		
AC power cord holder	String	Soft carrying
		

Mechanical Parts List

PACKING MATERIALS

Ref.	Part No.	Description	Note
	6103601861	CARRY BAG-KJ4AC	
	6103594941	CARTON CASE-KJ4AC	VX500U
	6103594965	CARTON CASE OUT-KJ4AC	VX500U
	6103596785	CARTON CASE-LJ4AC	VX500E/EJ
	6103596907	CARTON CASE OUT-LJ4DC	VX500EJ
	6103596792	CARTON CASE-LJ4SC	VX500EA/EAJ
	6103596914	CARTON CASE OUT-LJ4CC	VX500EAJ
	6103596846	CARTON CASE-KK4AC	VW430U
	6103596945	CARTON CASE OUT-KK4AC	VW430U
	6103596853	CARTON CASE-LK4AC	VW430E/EJ
	6103596952	CARTON CASE OUT-LK4DC	VW430EJ
	6103596877	CARTON CASE-LK4SC	VW430EA/EAJ
	6103596969	CARTON CASE OUT-LK4CC	VW430EAJ
	6103611792	POLY BAG-0530X0700*NC	
	6103614700	POLY BAG-0580*0510	
	6103594972	CASE ACC-KJ4AC	
	6103594989	CUSHION LEFT-KJ4AC	
	6103594996	CUSHION RIGHT-KJ4AC	

LABELS

Ref.	Part No.	Description	Note
⚠ W01	6103601120	LBL,CAUTION LNS 5-KW4AC	
⚠ W02	6103612089	LABEL CAUTION UV-KV4A	
⚠ W03	6103612355	LBL,LMP U275W HI-HG-GL S5-KJ4A	
⚠ W04	6103612058	LABEL,CAUTION HOT 5-KV4A	
⚠ W05	6103601014	LABEL CAUTION EARTH 3-KW4AC	VX500E/EJ/EA/EAJ, VW430E/EJ/EA/EAJ

ACCESSORIES

Ref.	Part No.	Description	Note
⚠	6103580425	COMPL, VGA CABLE-KC2JC	
⚠	6103581217	COMPL AC CORD KE4AC	VX500U VW430U
⚠	6103580203	COMPL, AC CORD-LC2JC	VX500E/EJ/EA/EAJ, VW430E/EJ/EA/EAJ
⚠	6103580210	COMPL, AC CORD-LC2LC	VX500EA/EAJ, VW430EA/EAJ
	6103430249	STRAP CAP-KT7AC	
	6103589367	CD-ROM,OWNERS MANUAL-KJ4AC	
⚠	6550052216	SETUP INST-KJ4AC	VX500U, VW430U
⚠	6550052223	SETUP INST-LJ4AC	VX500E/EJ, VW430E/EJ
⚠	6550052230	SETUP INST-LJ4SC	VX500EA/EAJ, VW430EA/EAJ
⚠	6451053893	ASSY,REMOCON MXEJ	

MECHANICAL PARTS

CABINET PARTS

Ref.	Part No.	Description	Note
⚠ C01	6103596730	CAB TOP SERV-KJ4AC	
⚠ C01-1	6103596723	ASSY COVER LMP-KJ4AC	
C01-2	6103594286	BUTN CONTROL-KJ4AC	
C01-3	6103594354	DEC INLAY LED-KJ4AC	
C02	6103594323	ASSY,ADJ-KJ4AC	
⚠ C03	6103615516	CABINET BTM_KJ4AC	
C04	6103594255	COVER_FLT_L-KA4AC	
C05	6103594262	COVER_FLT_B-KA4AC	
C06	6103594279	COVER LNS-KJ4AC	
C07	6103468495	DEC LEG-KA8AL	
C08	6103594361	DEC LNS-KJ4AC	
⚠ C09	6103594378	DEC DIAL-KJ4AC	
C10	6103577692	DEC SHEET RC-KE4AC	
C11	6103601717	DEC SHEET RESOLUTION_KJ4AC VX500U/E/EJ/EA/EAJ	
C11	6103601885	DEC SHEET RESOLUTION_KK4AC VW430U/E/EJ/EA/EAJ	
C12	6103601724	DEC SHEET MODEL NUMBER_KJ4AC VX500U/E/EJ/EA/EAJ	
C12	6103602929	DEC SHEET MODEL NUMBER_KK4AC VW430U/E/EJ/EA/EAJ	
C13	6103616629	DEC SHEET BRAND_KJ4AC	
⚠ C14	6103594439	PANEL AV-KJ4AC	
C15	6103594781	ADJ_CORE-KJ4AC	
C16	6103594798	ADJ_BUTTON-KJ4AC	
C17	4110010300	RING E 5	

CHASSIS PARTS

Ref.	Part No.	Description	Note
⚠ M01	6103594316	ACTIVE-IRIS-KJ4AC	
M02	6103519845	DAMPER,BUSH-KG8AC	
⚠ M03	6103594491	HOLDER LMP HOUSE-KJ4AC	
M04	6103594521	HOLDER_POW_KJ4AC	
M05	6103594538	HOLDER_FLT_HOUSE_KJ4AC	
M06	6103599854	HOLDER DIAL-KJ4AC	
M07		MTG DUCT PNL TOP SRV	
M08		MTG DUCT PNL BTM SRV	
M09	6103594651	MTG DUCT PBS-KJ4AC	
M10		MTG DUCT PBS B SRV	
M11	6103594675	MTG DUCT LMP TOP-KJ4AC	
M12	6103594682	MTG DUCT LMP BTM-KJ4AC	
M13	6103594699	MTG_SPK_A_KJ4AC	
M14	6103594705	MTG_SPK_B_KJ4AC	
⚠ M15	6103594736	MTG COND OUT-KJ4AC	
M16	6103594590	SPACER SHEET POWER B-KJ4AC	
M17	6103599816	SPACER SHEET FLT B-KJ4AC	
M18	6103599830	SPACER SHEET FLT A-KJ4AC	
M19	6103607436	SPC BST-KJ4AC	
M20	6103599755	GUIDE AIR FLAP-KJ4AC	
⚠ M21		OPT BASE BTM SRV	
⚠ M22	6103594910	OPT BASE TOP-KJ4AC	
⚠ M23	6103594927	OPT BASE TOP INT PBS-KJ4AC	

SCREWS

Ref.	Part No.	Description	Note
S01	4111798801	SCR S-TPG BIN 3X10	
S02	4111608001	SCR S-TPG PAN 3X6	
S03	4110319304	SCR BIN 3X8	
S04	4120779105	SPECIAL SCREW	
S05	4120778108	SPECIAL SCREW-2.5X6	
S06	4120811409	SPECIAL SCREW M2.5X7.8 HE	
S07	4120811607	SPECIAL SCREW M4.0 X 9.0	

OPTICAL PARTS

Ref.	Part No.	Description	Note
L01	6103596747	ASSY,PNL/PSM-KJ4AC	VX500U/E/EJ/EA/EAJ
L01	6103598918	ASSY,PNL/PSM-KK4AC	VW430U/E/EJ/EA/EAJ
L02-R	6103596754	ASSY,POL R IN-KJ4AC	
L02-G	6103596761	ASSY,POL G IN-KJ4AC	
L02-B	6103596778	ASSY,POL B IN-KJ4AC	
L03	6450964657	LENS,CONDENSER(G)	
L04	6450990571	LENS,RELAY(IN)	
L05	6451053107	LENS,INTEGRATOR(IN) VX500U/E/EJ/EA/EAJ	
L05	6451053213	LENS,INTEGRATOR(IN) VW430U/E/EJ/EA/EAJ	
L06	6451053114	LENS,INTEGRATOR(OUT) VX500U/E/EJ/EA/EAJ	
L06	6451053220	LENS,INTEGRATOR(OUT) VW430U/E/EJ/EA/EAJ	
L07	6451053138	LENS,CONDENSER(OUT)	

Mechanical Parts List

Ref.	Part No.	Description	Note
L08	6451053206	LENS,PROJECTION	
L09	6451053176	MIRROR(R)	
L10	6451053534	OPTICAL FILTER(IR)	
L11	6451053237	PRISM(PBS)	
L12	6451053145	DICHROIC MIRROR (B)	
L13	6451053152	DICHROIC MIRROR (G)	

Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

- 50V: Rated Voltage
- K: Tolerance Symbols:

Less than 10pF

A : Not specified	B : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A : Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H : ±3%	J : ±5%	K : ±10%
L : ±15%	M : ±20%	N : ±30%
P : +100-0%	Q : +30-10%	T : +50-10%
U : +75-10%	V : +20-10%	W : +100-10%
X : +40-20%	Y : +150-10%	Z : +80-20%

- 100P: Rated value: P=pico farad, U=micro farad
- CERAMIC: Material:

CERAMIC........... Ceramic
MT-PAPER......... Metallized Paper
POLYESTER...... Polyester
MT-POLYEST..... Metallized Polyester
POLYPRO.......... Polypropylene
MT-POLYPRO.... Metallized Polypropylene
COMPO FILM..... Composite film
MT-COMPO........ Metallized Composite
STYRENE........... Styrene
TA-SOLID........... Tantalum Oxide Solid Electrolytic
AL-SOLID........... Aluminium Solid Electrolytic
ELECT................ Aluminum Foil Electrolytic
NP-ELECT.......... Non-polarised Electrolytic
OS-SOLID.......... Aluminium Solid with Organic Semiconductive Electrolytic
POS-SOLID........ Polymerized Organic Semiconductive
DL-ELECT.......... Double Layered Electrolytic
PPS-FILM........... Polyphenylene Sulfide Film
MT-PPS-FILM..... Metalized Polyphenylene Sulfide Film
MT-PEN-FILM..... Metalized Polyethylenenaphthalate Film
CAPACITOR....... Other

RESISTOR CARBON 4.7K J A 1/4W

- 1/4W: Rated Wattage
- A: Performance Symbols:

A: General B: Non flammable Z: Low noise
Other: Temperature coefficient

T: ±10ppm/°C	U: ±25ppm/°C	C: ±50ppm/°C
D: ±100ppm/°C	E: ±200ppm/°C	F: ±250ppm/°C
G: ±350ppm/°C	H: ±1000ppm/°C±10%	W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10%	J: ±2000ppm/°C±10%	K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10%	M: ±3000ppm/°C±10%	N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10%	Q: ±3900ppm/°C±10%	R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10%	V: ±4500ppm/°C±10%	X: ±8000ppm/°C±10%

- J: Tolerance Symbols:

A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
F: ±1% G: ±2% J: ±5% K: ±10%
M: ±20% P: +5-15% Z: 0 ohm

- 4.7K: Rated value, ohms:

K: 1,000, M: 1,000,000

- CARBON: Material:

CARBON........... Carbon
MT-FILM............ Metal Film
OXIDE-MT......... Oxide Metal Film
SOLID................ Composition
MT-GLAZE......... Metal Glaze
WIRE WOUND... Wire Wound
CERAMIC RES.. Ceramic
FUSIBLE RES.... Fusible
RESISTOR .... Other

Ref.	Part No.	Description	Note

ASSEMBLED BOARDS

Ref.	Part No.	Description	Note
⚠ A300	6550053121	ASSY, PWB, AV KJ4CC	
⚠ A6000	6550051486	ASSY,PWB,POWER KJ4AC	
⚠ A6001	6550051493	ASSY,PWB,AC SECOND FILTER KJ4A	
⚠ A6002	6550053008	ASSY, PWB, AC FIRST FILTER KJ4	
⚠ A1000	6550051424	ASSY,PWB,MAIN KJ4CC VX500U/E/EJ/EA/EAJ	
⚠ A1000	6550059079	ASSY,PWB,MAIN KK4CC VW430U/E/EJ/EA/EAJ	
⚠ A1001	6550051431	ASSY,PWB ,RC KJ4CC	
⚠ A1002	6550051448	ASSY,PWB ,ID CONNECT KJ4CC	

OUT OF CIRUIT BOARDS

Ref.	Part No.	Description	Note
⚠A901	6451053626	UNIT,BALLAST	
⚠A901A	6103602295	CABLE,BALLAST KJ4AC	
⚠FN901	6451056030	MOTOR,BLW DC 3.0W	
⚠FN902	6451056047	MOTOR,BLW DC 3.0W	
⚠FN903	6451056047	MOTOR,BLW DC 3.0W	
⚠FN904	6451056047	MOTOR,BLW DC 3.0W	
⚠FN905	6451039941	MOTOR,BLW DC 3.0W	
⚠FN906	6451056184	MOTOR,BLW DC ***W	
⚠FN907	6451056184	MOTOR,BLW DC ***W	
⚠FN908	6451056184	MOTOR,BLW DC ***W	
⚠FN909		MOTOR,FAN DC SRV	
⚠FN910	6451056061	MOTOR,FAN DC ***W	
K10A1	3120730406	SPECIAL SCREW	
K10A2	3120730406	SPECIAL SCREW	
K10B1	3120730406	SPECIAL SCREW	
K10B2	3120730406	SPECIAL SCREW	
K20A1	3120730406	SPECIAL SCREW	
K20A2	3120730406	SPECIAL SCREW	
SP901	6520037656	SPEAKER,8	
SW901	9450560751	SWITCH,MICRO 1P-2T	
⚠SW902A	6103594507	HOLDER_SENSOR_TOP_KJ4AC	
⚠SW902B	6103594514	HOLDER_SENSOR_BTM_KJ4AC	
⚠Z6A&6B(SW902)	6520037755	ASSY,WIRE	
Z6A&6BA	9450033835	CORE,FERRITE	

A300 ASSY, PWB, AV KJ4CC

Ref.	Part No.	Description	Note
C001	4034670911	CERAMIC 0.1U K 25V	
C002	4034549217	CERAMIC 0.47U K 25V	
C005	4034549217	CERAMIC 0.47U K 25V	
C006	4034670911	CERAMIC 0.1U K 25V	
C007	3033969613	CERAMIC 1U K 25V	
C008	3033969613	CERAMIC 1U K 25V	
C009	3033969613	CERAMIC 1U K 25V	
C010	3033827814	CERAMIC 2.2U K 10V	
C011	3033969613	CERAMIC 1U K 25V	
C018	3033969613	CERAMIC 1U K 25V	
C019	3033969613	CERAMIC 1U K 25V	
C020	3033763112	ELECT 100U M 25V	
C021	3033763112	ELECT 100U M 25V	
C2051	3032946110	CERAMIC 100P J 50V	
C2052	3032946110	CERAMIC 100P J 50V	
C2072	3033827814	CERAMIC 2.2U K 10V	
C2073	3034093426	CERAMIC 0.1U K 16V	
C3001	3032946110	CERAMIC 100P J 50V	
C3011	3032946110	CERAMIC 100P J 50V	
C3021	3032946110	CERAMIC 100P J 50V	
C3031	3032946110	CERAMIC 100P J 50V	
C3051	3034540910	CERAMIC 100P J 50V	
C3061	3034540910	CERAMIC 100P J 50V	
C5001	3033969613	CERAMIC 1U K 25V	
C5002	3033969613	CERAMIC 1U K 25V	
C5021	3033969613	CERAMIC 1U K 25V	
C5022	3034093426	CERAMIC 0.1U K 16V	
C5023	3031396916	CERAMIC 1P C 50V	
C5024	3033969613	CERAMIC 1U K 25V	
C5025	3033969613	CERAMIC 1U K 25V	
C5026	3033969613	CERAMIC 1U K 25V	
C5027	4034551012	CERAMIC 1U K 10V	
C5028	4034551012	CERAMIC 1U K 10V	
C5029	4034551012	CERAMIC 1U K 10V	
C5030	4034551012	CERAMIC 1U K 10V	
C5031	4034551012	CERAMIC 1U K 10V	
C5032	3031396916	CERAMIC 1P C 50V	
C5033	3031396916	CERAMIC 1P C 50V	
C5034	4034551012	CERAMIC 1U K 10V	
C5035	4034551012	CERAMIC 1U K 10V	
C5036	4034551012	CERAMIC 1U K 10V	
C5037	3031396916	CERAMIC 1P C 50V	
C5038	3034540613	CERAMIC 10000P K 50V	
C5039	3034540613	CERAMIC 10000P K 50V	
C5040	3034093426	CERAMIC 0.1U K 16V	
C5042	4034551012	CERAMIC 1U K 10V	
C5043	4034551012	CERAMIC 1U K 10V	
C5044	3034093426	CERAMIC 0.1U K 16V	
C5045	3033583215	CERAMIC 10U K 6.3V	
C5046	4034551012	CERAMIC 1U K 10V	
C5047	3034093426	CERAMIC 0.1U K 16V	
C5048	3034093426	CERAMIC 0.1U K 16V	
C5049	3034093426	CERAMIC 0.1U K 16V	
C5050	3034093426	CERAMIC 0.1U K 16V	
C5051	3034093426	CERAMIC 0.1U K 16V	
C5052	4041290901	ELECT 100U M 6.3V	
C5053	4034670911	CERAMIC 0.1U K 25V	
C5054	3034374614	CERAMIC 10U K 25V	
C5055	3034374614	CERAMIC 10U K 25V	
C5058	4034551012	CERAMIC 1U K 10V	
C5059	4034551012	CERAMIC 1U K 10V	
C5060	3033687319	CERAMIC 10U K 6.3V	
C5061	4034551616	CERAMIC 10U K 16V	
C5062	3034093426	CERAMIC 0.1U K 16V	
C5063	3034093426	CERAMIC 0.1U K 16V	
C5066	3034093426	CERAMIC 0.1U K 16V	
C5069	4034551616	CERAMIC 10U K 16V	
C5070	3032946110	CERAMIC 100P J 50V	
C5071	3032946110	CERAMIC 100P J 50V	
C5075	4034551012	CERAMIC 1U K 10V	
D001	3072350816	DIODE 1SS387 TPL3	
D002	3072350816	DIODE 1SS387 TPL3	
D2074	3072350816	DIODE 1SS387 TPL3	
D5003	3072105416	DIODE RB551V-30-TE-17	
D5021	3072350816	DIODE 1SS387 TPL3	
D5061	3072350816	DIODE 1SS387 TPL3	
D5062	3072350816	DIODE 1SS387 TPL3	
IC001	4107311908	IC TPA3111D1PWPR	
IC5001	4107188708	IC TLV320AIC3105IRHBR	
IC5002	3094385513	IC TC4052BFT	
IC5003	3090397817	IC NJM4558M-TE2	
K20A	6520037441	SOCKET,D-SUB 9P	
K20B	9520014740	SOCKET,DIN 4P	
K30A	9520010070	JACK,PHONE D3.6	
K30B	9520010070	JACK,PHONE D3.6	
K30C	9520010070	JACK,PHONE D3.6	
K50A	9520015655	JACK,RCA-3	
L003	6520028500	INDUCTOR 330OHM, P	
L011	9450622855	INDUCTOR,33U M	
L012	9450622855	INDUCTOR,33U M	
L2001	9450867577	FILTER,EMI 400MHZ	
L5602	9450406455	INDUCTOR,4.7U M	

Electrical Parts List

Ref.	Part No.	Description	Note
L5611	6520028500	INDUCTOR 330OHM, P	
L5612	9450866600	IMPEDANCE,220 OHM P	
Q031	3052177815	TR HN1B04FE-Y TE85L	
Q2071	4060217804	TR 2SC4617	
Q5021	4060217804	TR 2SC4617	
Q5030	4060217804	TR 2SC4617	
Q5031	4052217914	TR HN1C01FE-Y	
Q5032	3051472218	TR 2SA1037AK-S-T146	
Q5033	3051472218	TR 2SA1037AK-S-T146	
Q5035	4052217914	TR HN1C01FE-Y	
Q5036	3052177815	TR HN1B04FE-Y TE85L	
Q5037	3051472218	TR 2SA1037AK-S-T146	
Q5060	4060217804	TR 2SC4617	
Q5061	4052217914	TR HN1C01FE-Y	
Q5062	4052217914	TR HN1C01FE-Y	
R001	3012249316	MT-GLAZE 1K JA 1/16W	
R002	3012250510	MT-GLAZE 33K JA 1/16W	
R003	3012652611	MT-GLAZE 5.1K FA 1/10W	
R004	3012642711	MT-GLAZE 120 FA 1/10W	
R009	3012649314	MT-GLAZE 3.3K FA 1/10W	
R010	3012293913	MT-GLAZE 180 JA 1/16W	
R011	3012560312	MT-GLAZE 820 JA 1/10W	
R012	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R013	3011505819	MT-GLAZE 100K JA 1/10W	
R014	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R016	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R017	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R018	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R022	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R031	3012249019	MT-GLAZE 10K JA 1/16W	
R032	3012249019	MT-GLAZE 10K JA 1/16W	
R033	3012249019	MT-GLAZE 10K JA 1/16W	
R034	3012251210	MT-GLAZE 4.7K JA 1/16W	
R2001	3012562712	MT-GLAZE 75 JA 1/10W	
R2008	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R2015	3012562712	MT-GLAZE 75 JA 1/10W	
R2025	3012562712	MT-GLAZE 75 JA 1/10W	
R2051	3011505819	MT-GLAZE 100K JA 1/10W	
R2052	3011505819	MT-GLAZE 100K JA 1/10W	
R2071	3012248913	MT-GLAZE 100K JA 1/16W	
R2072	3012248913	MT-GLAZE 100K JA 1/16W	
R2073	3012249415	MT-GLAZE 1M JA 1/16W	
R2074	3012872227	MT-GLAZE 22K FA 1/16W	
R2076	3012248814	MT-GLAZE 100 JA 1/16W	
R2078	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R2080	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R2081	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R2083	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3001	3011505819	MT-GLAZE 100K JA 1/10W	
R3011	3011505819	MT-GLAZE 100K JA 1/10W	
R3021	3011505819	MT-GLAZE 100K JA 1/10W	
R3022	3012556513	MT-GLAZE 100 JA 1/10W	
R3023	3012556513	MT-GLAZE 100 JA 1/10W	
R3031	3011505819	MT-GLAZE 100K JA 1/10W	
R3051	3011505819	MT-GLAZE 100K JA 1/10W	
R3061	3012556513	MT-GLAZE 100 JA 1/10W	
R3063	3011505819	MT-GLAZE 100K JA 1/10W	
R3064	3012556513	MT-GLAZE 100 JA 1/10W	
R5001	3012872227	MT-GLAZE 22K FA 1/16W	
R5002	3012872227	MT-GLAZE 22K FA 1/16W	
R5003	3012872227	MT-GLAZE 22K FA 1/16W	
R5004	3012872227	MT-GLAZE 22K FA 1/16W	
R5005	3012994810	MT-GLAZE 2.7K FA 1/16W	
R5006	3012942811	MT-GLAZE 2.2K FA 1/16W	
R5007	3012252019	MT-GLAZE 680 JA 1/16W	
R5010	3012994810	MT-GLAZE 2.7K FA 1/16W	
R5011	3012942811	MT-GLAZE 2.2K FA 1/16W	
R5012	3012252019	MT-GLAZE 680 JA 1/16W	
R5013	3012249910	MT-GLAZE 22K JA 1/16W	
R5014	3012249910	MT-GLAZE 22K JA 1/16W	
R5017	3012249316	MT-GLAZE 1K JA 1/16W	
R5018	3012249316	MT-GLAZE 1K JA 1/16W	
R5019	3012258110	MT-GLAZE 10 JA 1/16W	
R5020	3011622219	MT-GLAZE 10 JA 1/10W	
R5021	3012248913	MT-GLAZE 100K JA 1/16W	
R5022	3012258011	MT-GLAZE 330 JA 1/16W	
R5023	3012248913	MT-GLAZE 100K JA 1/16W	
R5024	3012944112	MT-GLAZE 30K FA 1/16W	
R5025	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5026	3012943313	MT-GLAZE 15K FA 1/16W	
R5027	3012943313	MT-GLAZE 15K FA 1/16W	
R5028	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5029	3012944112	MT-GLAZE 30K FA 1/16W	
R5030	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5033	3012250213	MT-GLAZE 3.3K JA 1/16W	
R5034	3012249316	MT-GLAZE 1K JA 1/16W	
R5035	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5036	3012250213	MT-GLAZE 3.3K JA 1/16W	
R5037	3012249316	MT-GLAZE 1K JA 1/16W	
R5039	3012248814	MT-GLAZE 100 JA 1/16W	
R5040	3012248814	MT-GLAZE 100 JA 1/16W	
R5041	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5042	3012249019	MT-GLAZE 10K JA 1/16W	
R5043	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5046	3012249019	MT-GLAZE 10K JA 1/16W	
R5047	3012249613	MT-GLAZE 2.7K JA 1/16W	
R5048	3012249316	MT-GLAZE 1K JA 1/16W	
R5049	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5050	3012943511	MT-GLAZE 27K FA 1/16W	
R5055	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5057	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5060	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5061	3012248814	MT-GLAZE 100 JA 1/16W	
R5062	3012250213	MT-GLAZE 3.3K JA 1/16W	
R5063	3012249316	MT-GLAZE 1K JA 1/16W	
R5064	3012248814	MT-GLAZE 100 JA 1/16W	
R5065	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5066	3012250213	MT-GLAZE 3.3K JA 1/16W	
R5067	3012249316	MT-GLAZE 1K JA 1/16W	
R5069	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R5070	3012258011	MT-GLAZE 330 JA 1/16W	
R5073	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5075	3012249514	MT-GLAZE 2.2K JA 1/16W	
R5078	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5079	3012250213	MT-GLAZE 3.3K JA 1/16W	
R5606	3011622219	MT-GLAZE 10 JA 1/10W	
SC2001	9450763503	SURGE-ABSORBER	
SC2011	9450763503	SURGE-ABSORBER	
SC2021	9450763503	SURGE-ABSORBER	
SC2051	9450763503	SURGE-ABSORBER	
SC2052	9450763503	SURGE-ABSORBER	
SC2061	9450763503	SURGE-ABSORBER	
SC2062	9450763503	SURGE-ABSORBER	
SC2063	9450763503	SURGE-ABSORBER	
SC3001	9450763503	SURGE-ABSORBER	
SC3011	9450763503	SURGE-ABSORBER	
SC3021	9450763503	SURGE-ABSORBER	
SC3031	9450763503	SURGE-ABSORBER	
SC3051	9450763503	SURGE-ABSORBER	
SC3061	9450763503	SURGE-ABSORBER	
X5001	6451038722	OSC,CRYSTAL 12.288MHZ	

A6000 ASSY,PWB,POWER KJ4AC

Ref.	Part No.	Description	Note
⚠ C610	3041049502	CERAMIC 1500P M 250V	
C611	3033718518	MT-POLYEST 1U K 400V	
⚠ C612	3041049502	CERAMIC 1500P M 250V	
C613	3034107113	ELECT 100U M 25V	
C614	3034107113	ELECT 100U M 25V	
⚠ C616	4041296002	ELECT 330U M 450V	
C619	3032989612	CERAMIC 0.1U K 16V	

Electrical Parts List

Ref.	Part No.	Description	Note
C620	3032247019	CERAMIC 0.047U Z 50V	
C621	3032052811	CERAMIC 0.047U K 25V	
C622	3031576417	CERAMIC 330P K 50V	
C623	3032152214	CERAMIC 0.01U K 50V	
C624	3033423313	CERAMIC 0.1U K 25V	
C625	3033945815	CERAMIC 4.7U K 16V	
C627	3040912609	CERAMIC 0.1U K 50V	
C628	3031573317	CERAMIC 68P J 50V	
C629	3031576615	CERAMIC 470P K 50V	
C630	3033423313	CERAMIC 0.1U K 25V	
C631	3032989612	CERAMIC 0.1U K 16V	
C632	3033423313	CERAMIC 0.1U K 25V	
C633	3033423313	CERAMIC 0.1U K 25V	
C634	3031576813	CERAMIC 680P K 50V	
C635	3034099913	ELECT 470U M 16V	
C636	3034271814	MT-POLYEST 0.1U K 450V	
C637	4034776514	MT-POLYEST 0.01U J 630V	
C640	3034107113	ELECT 100U M 25V	
C641	3032152214	CERAMIC 0.01U K 50V	
C642	4041286300	ELECT 15U M 450V	
C643	4034551418	CERAMIC 2.2U K 16V	
C644	4033675917	CERAMIC 100P K 1K	
C645	4034803319	CERAMIC 10P D 1K	
C646	4034803319	CERAMIC 10P D 1K	
C647	4034823911	POLYPRO 0.022U J 400V	
C648	3041081007	ELECT 100U M 35V	
C650	3033423313	CERAMIC 0.1U K 25V	
C654	4034549217	CERAMIC 0.47U K 25V	
C655	3040912609	CERAMIC 0.1U K 50V	
C656	3033423313	CERAMIC 0.1U K 25V	
C658	3032473319	CERAMIC 330P K 2K	
C659	3041081007	ELECT 100U M 35V	
C661	3041174600	ELECT 47U M 25V	
C662	4034686219	ELECT 1500U M 25V	
C679	3033423313	CERAMIC 0.1U K 25V	
C680	3033709110	CERAMIC 0.068U K 50V	
C681	4034686219	ELECT 1500U M 25V	
C682	3033423313	CERAMIC 0.1U K 25V	
C683	4034453940	ELECT 3900U M 10V	
C684	3033423313	CERAMIC 0.1U K 25V	
C685	3033992126	ELECT 220U M 16V	
C686	3033485826	CERAMIC 0.47U K 10V	
C688	3033423313	CERAMIC 0.1U K 25V	
C692	4034551418	CERAMIC 2.2U K 16V	
C694	3031552213	CERAMIC 3300P K 50V	
C695	3031573614	CERAMIC 100P J 50V	
D601	3072478827	DIODE RF101L2S	
D602	3072478827	DIODE RF101L2S	
D603	3071496327	DIODE SFPB-54V	
D604	3072537405	DIODE FMXA-1106S	
D604C	6520026520	CORE,PIPE	
D604D	6520026520	CORE,PIPE	
D605	3071490810	DIODE 1SS355-TE-17	
D606	3071490810	DIODE 1SS355-TE-17	
D607	3071490810	DIODE 1SS355-TE-17	
D608	3071490810	DIODE 1SS355-TE-17	
D609	3071490810	DIODE 1SS355-TE-17	
D611	3071490810	DIODE 1SS355-TE-17	
D612	3071490810	DIODE 1SS355-TE-17	
D613	3072478827	DIODE RF101L2S	
D614	3072478827	DIODE RF101L2S	
D615	3071490810	DIODE 1SS355-TE-17	
D616	3072478827	DIODE RF101L2S	
D617	3071468116	DIODE EG01C	
D618	4080657901	DIODE ZRM11C	
D619	4080657901	DIODE ZRM11C	
D622	3071791214	ZENER DIODE PTZ13B-TE25	
D651	3072478827	DIODE RF101L2S	
D652	3071468116	DIODE EG01C	
D653	3072065611	ZENER DIODE UDZS-TE-1710B	
D654	3072187511	ZENER DIODE UDZS16B-TE-17	
D681	4072673001	DIODE SG10SC6M	
D682	4072673001	DIODE SG10SC6M	
D683	3072478827	DIODE RF101L2S	
D687	3072105416	DIODE RB551V-30-TE-17	
D688	3071496327	DIODE SFPB-54V	
D689	3071496327	DIODE SFPB-54V	
⚠ DB601	3072303703	DIODE D15XB80-7000	
DS601	3072190808	THYRISTOR TF861S	
DS602	4096922515	IC TA76L431FB	
DS603	4096922515	IC TA76L431FB	
FB601	6520037229	CORE,PIPE	
FB602	6520037229	CORE,PIPE	
FB603	6520037229	CORE,PIPE	
FB605	6520037229	CORE,PIPE	
IC603	4097008703	IC STR-A6079	
IC604	4097029817	IC SSC9512S	
IC682	3095231413	IC FA5502M	
L606	9450814878	LINE FILTER	
L611	6520037229	CORE,PIPE	
L612	6520037229	CORE,PIPE	
L613	6520028500	INDUCTOR 330OHM, P	
L614	6520028500	INDUCTOR 330OHM, P	
L615	9450411978	INDUCTOR,330 OHM	
L616	6520037229	CORE,PIPE	
L617	6520037229	CORE,PIPE	
L618	9450411978	INDUCTOR,330 OHM	
⚠ PC601	4072657813	PC TLP781F(D4-GB-TP7)	
⚠ PC602	4072657813	PC TLP781F(D4-GB-TP7)	
⚠ PC603	4072657813	PC TLP781F(D4-GB-TP7)	
⚠ PC604	4072657813	PC TLP781F(D4-GB-TP7)	
PTH601	3080374603	THERMISTOR NTPDB8R0LD7B0	
PTH641	3080613900	TH PRF18BC471QB1RB	
Q601	4052267008	TR TK15A50D(Q)	
Q601C	6520026520	CORE,PIPE	
Q603	4052267008	TR TK15A50D(Q)	
Q603C	6520026520	CORE,PIPE	
Q604	4052267008	TR TK15A50D(Q)	
Q604C	6520026520	CORE,PIPE	
Q605	4052267008	TR TK15A50D(Q)	
Q605C	6520026520	CORE,PIPE	
Q607	3051739816	TR 2SC3928A1R	
Q608	3051739816	TR 2SC3928A1R	
Q609	3051472218	TR 2SA1037AK-S-T146	
Q613	3051472218	TR 2SA1037AK-S-T146	
Q621	3051739816	TR 2SC3928A1R	
Q622	3051472218	TR 2SA1037AK-S-T146	
Q623	3051472218	TR 2SA1037AK-S-T146	
Q652	3051739816	TR 2SC3928A1R	
Q681	3051739816	TR 2SC3928A1R	
R603	3012423914	MT-GLAZE 240K JA 1/2W	
R604	3012588217	MT-GLAZE 680 JA 1/3W	
R605	3011622219	MT-GLAZE 10 JA 1/10W	
R606	3020808809	MT-GLAZE 680 KA 1W	
R607	3011879514	MT-GLAZE 1M JA 1/4W	
R608	3011879514	MT-GLAZE 1M JA 1/4W	
R609	3011879514	MT-GLAZE 1M JA 1/4W	
R610	3011505819	MT-GLAZE 100K JA 1/10W	
R611	3012875713	MT-GLAZE 220K JA 1W	
R612	3012562613	MT-GLAZE 2.4K JA 1/10W	
R614	3021065508	RESISTER 0.075 KB 5W	
R615	3012556513	MT-GLAZE 100 JA 1/10W	
R616	3012566314	MT-GLAZE 47K JA 1/10W	
R617	4021221208	OXIDE-MT 0.39JB 1W	
R618	3011623711	MT-GLAZE 4.7K JA 1/10W	
R619	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R620	3011623711	MT-GLAZE 4.7K JA 1/10W	
R621	3012558715	MT-GLAZE 22 JA 1/10W	
R622	3012649413	MT-GLAZE 33K FA 1/10W	
R623	3012348118	MT-GLAZE 4.7 JA 1W	
R624	3012562217	MT-GLAZE 240 JA 1/10W	
R626	3011523219	MT-GLAZE 330 JA 1/10W	

Electrical Parts List

Ref.	Part No.	Description	Note
R627	3012566512	MT-GLAZE 68 JA 1/10W	
R628	3012556513	MT-GLAZE 100 JA 1/10W	
R630	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R631	3011505918	MT-GLAZE 10K JA 1/10W	
R632	3011506410	MT-GLAZE 4.3K JA 1/10W	
R633	3011623810	MT-GLAZE 470K JA 1/10W	
R634	3012565812	MT-GLAZE 270K JA 1/10W	
R635	3012556513	MT-GLAZE 100 JA 1/10W	
R636	3011523110	MT-GLAZE 620 JA 1/10W	
R637	3011622417	MT-GLAZE 1.2K JA 1/10W	
R638	3012599015	MT-GLAZE 150K FA 1/2W	
R639	3012599015	MT-GLAZE 150K FA 1/2W	
R640	3012566512	MT-GLAZE 68 JA 1/10W	
R641	3012599015	MT-GLAZE 150K FA 1/2W	
R642	3011622219	MT-GLAZE 10 JA 1/10W	
R643	3012599015	MT-GLAZE 150K FA 1/2W	
R644	3012255614	MT-GLAZE 2.2 JA 1W	
R645	3012556513	MT-GLAZE 100 JA 1/10W	
R646	3012423914	MT-GLAZE 240K JA 1/2W	
R647	3012559514	MT-GLAZE 220K JA 1/10W	
R648	3011622417	MT-GLAZE 1.2K JA 1/10W	
R649	3012559514	MT-GLAZE 220K JA 1/10W	
R650	3012558517	MT-GLAZE 9.1K JA 1/10W	
R654	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R658	3020812905	FUSIBLE RES 22 JH 1/2W	
R659	3011854511	MT-GLAZE 33 JA 1/2W	
⚠R660	3020812905	FUSIBLE RES 22 JH 1/2W	
R662	3012566314	MT-GLAZE 47K JA 1/10W	
R663	4034551418	CERAMIC 2.2U K 16V	
R665	3011505819	MT-GLAZE 100K JA 1/10W	
R668	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R669	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R670	3011623711	MT-GLAZE 4.7K JA 1/10W	
R671	3011624015	MT-GLAZE 560 JA 1/10W	
R672	3011624015	MT-GLAZE 560 JA 1/10W	
R673	3012566314	MT-GLAZE 47K JA 1/10W	
R674	3012562613	MT-GLAZE 2.4K JA 1/10W	
R675	3011506212	MT-GLAZE 1K JA 1/10W	
R676	3011506212	MT-GLAZE 1K JA 1/10W	
R677	3011505918	MT-GLAZE 10K JA 1/10W	
R678	3011623612	MT-GLAZE 470 JA 1/10W	
R679	3012644715	MT-GLAZE 1.8K FA 1/10W	
R680	3011506212	MT-GLAZE 1K JA 1/10W	
R681	3011505918	MT-GLAZE 10K JA 1/10W	
R682	3011622417	MT-GLAZE 1.2K JA 1/10W	
R683	3011506212	MT-GLAZE 1K JA 1/10W	
R685	3011623711	MT-GLAZE 4.7K JA 1/10W	
R686	3011623414	MT-GLAZE 39K JA 1/10W	
R687	3012652611	MT-GLAZE 5.1K FA 1/10W	
R689	3011506212	MT-GLAZE 1K JA 1/10W	
R690	3011506212	MT-GLAZE 1K JA 1/10W	
R691	3012567311	MT-GLAZE 6.8K JA 1/10W	
R692	3011506212	MT-GLAZE 1K JA 1/10W	
R693	3011505918	MT-GLAZE 10K JA 1/10W	
R694	3011623711	MT-GLAZE 4.7K JA 1/10W	
R695	3012567311	MT-GLAZE 6.8K JA 1/10W	
R696	3011622417	MT-GLAZE 1.2K JA 1/10W	
R697	3011506212	MT-GLAZE 1K JA 1/10W	
R698	3012556513	MT-GLAZE 100 JA 1/10W	
R699	3012384215	MT-GLAZE 1.5K JA 1/3W	
⚠RL602	6451010544	RELAY	
T601	6450892561	INDUCTOR,700U	
⚠T651	9450857035	TRANS,POWER,PULSE	
⚠T652	6520030572	TRANS,POWER,PULSE	
VR601	6451056092	VR,SEMI,1K M	

A6001 ASSY,PWB,AC SECOND FILTER KJ4A

Ref.	Part No.	Description	Note
⚠C604	4041132904	MT-POLYEST 0.33U K 275V	
⚠C605	4041132904	MT-POLYEST 0.33U K 275V	
⚠C606	3040735109	CERAMIC 470P K 250V	
⚠C607	3040735109	CERAMIC 470P K 250V	
⚠L602	6520037526	LINE FILTER	
⚠L603	6520037526	LINE FILTER	
⚠R601	3012424614	MT-GLAZE 560K JA 1/2W	
⚠R602	3012424614	MT-GLAZE 560K JA 1/2W	
⚠VA602	4080713102	VARISTOR S14K385E2K1	

A6002 ASSY, PWB, AC FIRST FILTER KJ4

Ref.	Part No.	Description	Note
⚠C601	3040735109	CERAMIC 470P K 250V	
⚠C602	3040735109	CERAMIC 470P K 250V	
⚠C608	4041282401	MT-POLYEST 0.22U M 275V	
⚠C617	3040733709	CERAMIC 100P K 250V	
⚠C618	3040733709	CERAMIC 100P K 250V	
⚠F601	4230353004	FUSE 250V 8A	
⚠K601	6520037748	CORD,POWER-55MM/115MM/70MM	
⚠L601	6520037526	LINE FILTER	
⚠R651	3013271910	MT-GLAZE 2.2M JA 1/2W	
⚠R652	3013271910	MT-GLAZE 2.2M JA 1/2W	
⚠VA601	4080713102	VARISTOR S14K385E2K1	

A1000 ASSY,PWB,MAIN KJ4CC VX500U/E/EJ/EA/EAJ
A1000 ASSY,PWB,MAIN KK4CC VW430U/E/EJ/EA/EAJ

Ref.	Part No.	Description	Note
C1002	3034374614	CERAMIC 10U K 25V	
C1004	3034093426	CERAMIC 0.1U K 16V	
C1006	3034093426	CERAMIC 0.1U K 16V	
C1007	3034093426	CERAMIC 0.1U K 16V	
C1008	3034093426	CERAMIC 0.1U K 16V	
C1009	3034093426	CERAMIC 0.1U K 16V	
C1011	3034420519	CERAMIC 0.068U K 16V	
C1012	3034093426	CERAMIC 0.1U K 16V	
C1014	3034420519	CERAMIC 0.068U K 16V	
C1016	3034420519	CERAMIC 0.068U K 16V	
C1017	3034420519	CERAMIC 0.068U K 16V	
C1018	3034420519	CERAMIC 0.068U K 16V	
C1019	3034093426	CERAMIC 0.1U K 16V	
C1021	3033827814	CERAMIC 2.2U K 10V	
C1041	3034093426	CERAMIC 0.1U K 16V	
C1049	3034093426	CERAMIC 0.1U K 16V	
C1054	3032946110	CERAMIC 100P J 50V	
C1055	3032946110	CERAMIC 100P J 50V	
C1056	3034540019	CERAMIC 68P J 50V	
C1061	3034374614	CERAMIC 10U K 25V	
C1092	3033687319	CERAMIC 10U K 6.3V	
C1103	3034093426	CERAMIC 0.1U K 16V	
C1105	3034093426	CERAMIC 0.1U K 16V	
C1331	3032761911	CERAMIC 22P J 50V	
C1332	3033092519	CERAMIC 27P J 50V	
C1371	3034093426	CERAMIC 0.1U K 16V	
C1871	4034551012	CERAMIC 1U K 10V	
C2001	3033687319	CERAMIC 10U K 6.3V	
C2002	3033983312	ELECT 47U M 10V	
C2003	3033687319	CERAMIC 10U K 6.3V	
C2008	3033983312	ELECT 47U M 10V	
C2891	3034093426	CERAMIC 0.1U K 16V	
C2892	3033058812	CERAMIC 47P J 50V	
C301	3034093426	CERAMIC 0.1U K 16V	
C302	3033687319	CERAMIC 10U K 6.3V	
C303	3032825118	CERAMIC 470P K 50V	
C304	3034093426	CERAMIC 0.1U K 16V	
C305	4034551012	CERAMIC 1U K 10V	
C306	3034093426	CERAMIC 0.1U K 16V	
C307	3032825118	CERAMIC 470P K 50V	
C308	3034093426	CERAMIC 0.1U K 16V	
C309	3034093426	CERAMIC 0.1U K 16V	
C310	3033687319	CERAMIC 10U K 6.3V	

Ref.	Part No.	Description		Note
C311	3032825118	CERAMIC	470P K 50V	
C312	3034093426	CERAMIC	0.1U K 16V	
C313	3034093426	CERAMIC	0.1U K 16V	
C314	3032825118	CERAMIC	470P K 50V	
C315	3033687319	CERAMIC	10U K 6.3V	
C316	3034093426	CERAMIC	0.1U K 16V	
C317	3034093426	CERAMIC	0.1U K 16V	
C318	3034093426	CERAMIC	0.1U K 16V	
C319	3032825118	CERAMIC	470P K 50V	
C320	3033687319	CERAMIC	10U K 6.3V	
C321	3034093426	CERAMIC	0.1U K 16V	
C322	3034093426	CERAMIC	0.1U K 16V	
C323	3032825118	CERAMIC	470P K 50V	
C324	3034093426	CERAMIC	0.1U K 16V	
C325	4034551616	CERAMIC	10U K 16V	
C326	3034093426	CERAMIC	0.1U K 16V	
C327	3034093426	CERAMIC	0.1U K 16V	
C328	3034093426	CERAMIC	0.1U K 16V	
C329	3032825118	CERAMIC	470P K 50V	
C330	4034572512	CERAMIC	0.47U K 10V	
C331	3034093426	CERAMIC	0.1U K 16V	
C332	3032825118	CERAMIC	470P K 50V	
C333	3034093426	CERAMIC	0.1U K 16V	
C334	3034093426	CERAMIC	0.1U K 16V	
C335	3034093426	CERAMIC	0.1U K 16V	
C336	3032825118	CERAMIC	470P K 50V	
C337	3034093426	CERAMIC	0.1U K 16V	
C338	3034093426	CERAMIC	0.1U K 16V	
C339	3034093426	CERAMIC	0.1U K 16V	
C341	3034093426	CERAMIC	0.1U K 16V	
C342	3034093426	CERAMIC	0.1U K 16V	
C343	3034093426	CERAMIC	0.1U K 16V	
C344	3034093426	CERAMIC	0.1U K 16V	
C346	3034093426	CERAMIC	0.1U K 16V	
C347	3034093426	CERAMIC	0.1U K 16V	
C348	3034093426	CERAMIC	0.1U K 16V	
C351	3034093426	CERAMIC	0.1U K 16V	
C352	3034093426	CERAMIC	0.1U K 16V	
C353	3034093426	CERAMIC	0.1U K 16V	
C354	3034093426	CERAMIC	0.1U K 16V	
C355	3034093426	CERAMIC	0.1U K 16V	
C356	3034093426	CERAMIC	0.1U K 16V	
C357	3034093426	CERAMIC	0.1U K 16V	
C358	3034093426	CERAMIC	0.1U K 16V	
C361	4034551012	CERAMIC	1U K 10V	
C362	4034551012	CERAMIC	1U K 10V	
C3621	4034551616	CERAMIC	10U K 16V	
C3622	4034551616	CERAMIC	10U K 16V	
C3623	4034551616	CERAMIC	10U K 16V	
C3624	4034551616	CERAMIC	10U K 16V	
C3625	4034551616	CERAMIC	10U K 16V	
C3626	4034551616	CERAMIC	10U K 16V	
C3627	4034551616	CERAMIC	10U K 16V	
C3628	4034551616	CERAMIC	10U K 16V	
C3629	4034551616	CERAMIC	10U K 16V	
C363	4034551012	CERAMIC	1U K 10V	
C3630	4034551616	CERAMIC	10U K 16V	
C3631	3034093426	CERAMIC	0.1U K 16V	
C3632	4034572512	CERAMIC	0.47U K 10V	
C3633	4034551616	CERAMIC	10U K 16V	
C3634	4034551616	CERAMIC	10U K 16V	
C3636	3034093426	CERAMIC	0.1U K 16V	
C3637	4034572512	CERAMIC	0.47U K 10V	
C3638	4034551616	CERAMIC	10U K 16V	
C3639	4034551616	CERAMIC	10U K 16V	
C364	3034540613	CERAMIC	10000P K 50V	
C3641	3034093426	CERAMIC	0.1U K 16V	
C3642	4034572512	CERAMIC	0.47U K 10V	
C3643	4034551616	CERAMIC	10U K 16V	
C3644	4034551616	CERAMIC	10U K 16V	
C3646	3034093426	CERAMIC	0.1U K 16V	
C3647	3034093426	CERAMIC	0.1U K 16V	
C3648	4034572512	CERAMIC	0.47U K 10V	
C3649	4034551616	CERAMIC	10U K 16V	
C365	3034420519	CERAMIC	0.068U K 16V	
C3650	4034551616	CERAMIC	10U K 16V	
C3651	3034093426	CERAMIC	0.1U K 16V	
C366	3034093426	CERAMIC	0.1U K 16V	
C367	3034093426	CERAMIC	0.1U K 16V	
C368	3034093426	CERAMIC	0.1U K 16V	
C369	3034093426	CERAMIC	0.1U K 16V	
C370	3034093426	CERAMIC	0.1U K 16V	
C371	3034093426	CERAMIC	0.1U K 16V	
C372	4034572512	CERAMIC	0.47U K 10V	
C373	4034572512	CERAMIC	0.47U K 10V	
C374	4034572512	CERAMIC	0.47U K 10V	
C377	3034093426	CERAMIC	0.1U K 16V	
C378	3034093426	CERAMIC	0.1U K 16V	
C379	3034093426	CERAMIC	0.1U K 16V	
C380	3034093426	CERAMIC	0.1U K 16V	
C3801	4034551012	CERAMIC	1U K 10V	
C3802	4034551012	CERAMIC	1U K 10V	
C3803	4034551012	CERAMIC	1U K 10V	
C3804	4034551012	CERAMIC	1U K 10V	
C3806	4034551012	CERAMIC	1U K 10V	
C3807	3034093426	CERAMIC	0.1U K 16V	
C3808	3034093426	CERAMIC	0.1U K 16V	
C3809	3034093426	CERAMIC	0.1U K 16V	
C381	3034093426	CERAMIC	0.1U K 16V	
C382	3034093426	CERAMIC	0.1U K 16V	
C383	3032825118	CERAMIC	470P K 50V	
C384	3032825118	CERAMIC	470P K 50V	
C385	3032825118	CERAMIC	470P K 50V	
C3857	3033687319	CERAMIC	10U K 6.3V	
C3858	3034093426	CERAMIC	0.1U K 16V	
C386	3034093426	CERAMIC	0.1U K 16V	
C4001	3033827814	CERAMIC	2.2U K 10V	
C4002	3034093426	CERAMIC	0.1U K 16V	
C4003	3034093426	CERAMIC	0.1U K 16V	
C4004	3033827814	CERAMIC	2.2U K 10V	
C401	3034093426	CERAMIC	0.1U K 16V	
C402	3034093426	CERAMIC	0.1U K 16V	
C403	3034093426	CERAMIC	0.1U K 16V	
C404	3034093426	CERAMIC	0.1U K 16V	
C405	3034093426	CERAMIC	0.1U K 16V	
C406	3034093426	CERAMIC	0.1U K 16V	
C407	3032761317	CERAMIC	1000P K 50V	
C408	3032761317	CERAMIC	1000P K 50V	
C409	3034093426	CERAMIC	0.1U K 16V	
C410	3034093426	CERAMIC	0.1U K 16V	
C411	3034093426	CERAMIC	0.1U K 16V	
C412	3034093426	CERAMIC	0.1U K 16V	
C413	3034093426	CERAMIC	0.1U K 16V	
C414	3034093426	CERAMIC	0.1U K 16V	
C415	3032761317	CERAMIC	1000P K 50V	
C416	3032761317	CERAMIC	1000P K 50V	
C417	3034093426	CERAMIC	0.1U K 16V	
C418	3034093426	CERAMIC	0.1U K 16V	
C419	3034093426	CERAMIC	0.1U K 16V	
C420	3032761317	CERAMIC	1000P K 50V	
C421	3032761317	CERAMIC	1000P K 50V	
C422	3034093426	CERAMIC	0.1U K 16V	
C423	3034093426	CERAMIC	0.1U K 16V	
C424	3034093426	CERAMIC	0.1U K 16V	
C425	3032761317	CERAMIC	1000P K 50V	
C426	3032761317	CERAMIC	1000P K 50V	
C427	3034093426	CERAMIC	0.1U K 16V	
C428	3032761317	CERAMIC	1000P K 50V	
C429	3033145314	CERAMIC	5P C 50V	
C430	4041290901	ELECT	100U M 6.3V	
C431	3032796210	CERAMIC	10P J 50V	
C432	3032796210	CERAMIC	10P J 50V	

Ref.	Part No.	Description	Note
C433	3033835215	CERAMIC 4.7U K 6.3V	
C434	3033835215	CERAMIC 4.7U K 6.3V	
C435	3033835215	CERAMIC 4.7U K 6.3V	
C436	3033835215	CERAMIC 4.7U K 6.3V	
C437	3033835215	CERAMIC 4.7U K 6.3V	
C438	3033835215	CERAMIC 4.7U K 6.3V	
C439	3033835215	CERAMIC 4.7U K 6.3V	
C440	3033835215	CERAMIC 4.7U K 6.3V	
C441	3033835215	CERAMIC 4.7U K 6.3V	
C442	3033835215	CERAMIC 4.7U K 6.3V	
C443	3033835215	CERAMIC 4.7U K 6.3V	
C444	3033835215	CERAMIC 4.7U K 6.3V	
C445	3033835215	CERAMIC 4.7U K 6.3V	
C446	3033835215	CERAMIC 4.7U K 6.3V	
C447	3033766212	CERAMIC 0.22U K 10V	
C448	3033766212	CERAMIC 0.22U K 10V	
C449	3033766212	CERAMIC 0.22U K 10V	
C450	3033727510	CERAMIC 2.2U K 6.3V	
C451	3033835215	CERAMIC 4.7U K 6.3V	
C452	4034670911	CERAMIC 0.1U K 25V	
C453	3033727510	CERAMIC 2.2U K 6.3V	
C454	4034670911	CERAMIC 0.1U K 25V	
C455	4034670911	CERAMIC 0.1U K 25V	
C456	4034670911	CERAMIC 0.1U K 25V	
C457	4034670911	CERAMIC 0.1U K 25V	
C458	4034670911	CERAMIC 0.1U K 25V	
C459	4034670911	CERAMIC 0.1U K 25V	
C460	4034670911	CERAMIC 0.1U K 25V	
C461	4034670911	CERAMIC 0.1U K 25V	
C462	4034670911	CERAMIC 0.1U K 25V	
C463	4034670911	CERAMIC 0.1U K 25V	
C464	4034670911	CERAMIC 0.1U K 25V	
C465	4034670911	CERAMIC 0.1U K 25V	
C466	4034670911	CERAMIC 0.1U K 25V	
C468	3034374614	CERAMIC 10U K 25V	
C469	4034670911	CERAMIC 0.1U K 25V	
C470	3034374614	CERAMIC 10U K 25V	
C471	4034670911	CERAMIC 0.1U K 25V	
C472	4034551616	CERAMIC 10U K 16V	
C473	4034551616	CERAMIC 10U K 16V	
C474	3032796210	CERAMIC 10P J 50V	
C476	4034551012	CERAMIC 1U K 10V	
C477	3032795114	CERAMIC 3300P K 50V	
C478	3034093426	CERAMIC 0.1U K 16V	
C479	3033925015	CERAMIC 22U M 6.3V	
C480	3033925015	CERAMIC 22U M 6.3V	
C4805	3034093426	CERAMIC 0.1U K 16V	
C4808	3033687319	CERAMIC 10U K 6.3V	
C481	3033925015	CERAMIC 22U M 6.3V	
C482	3033925015	CERAMIC 22U M 6.3V	
C484	3033687319	CERAMIC 10U K 6.3V	
C486	3033687319	CERAMIC 10U K 6.3V	
C487	3033687319	CERAMIC 10U K 6.3V	
C488	3033687319	CERAMIC 10U K 6.3V	
C489	3033687319	CERAMIC 10U K 6.3V	
C490	3033687319	CERAMIC 10U K 6.3V	
C491	4041290901	ELECT 100U M 6.3V	
C492	3033687319	CERAMIC 10U K 6.3V	
C493	4041290901	ELECT 100U M 6.3V	
C494	3033687319	CERAMIC 10U K 6.3V	
C495	3033687319	CERAMIC 10U K 6.3V	
C496	4041290901	ELECT 100U M 6.3V	
C497	3033687319	CERAMIC 10U K 6.3V	
C498	4041290901	ELECT 100U M 6.3V	
C499	3033687319	CERAMIC 10U K 6.3V	
C500	3034093426	CERAMIC 0.1U K 16V	
C501	3034093426	CERAMIC 0.1U K 16V	
C502	3034093426	CERAMIC 0.1U K 16V	
C503	3034093426	CERAMIC 0.1U K 16V	
C504	3034093426	CERAMIC 0.1U K 16V	
C505	3032761317	CERAMIC 1000P K 50V	
C506	3032761317	CERAMIC 1000P K 50V	
C507	3032761317	CERAMIC 1000P K 50V	
C508	3032761317	CERAMIC 1000P K 50V	
C509	3034093426	CERAMIC 0.1U K 16V	
C510	3034093426	CERAMIC 0.1U K 16V	
C511	3034093426	CERAMIC 0.1U K 16V	
C512	3034093426	CERAMIC 0.1U K 16V	
C513	3034093426	CERAMIC 0.1U K 16V	
C514	3032761317	CERAMIC 1000P K 50V	
C515	3032761317	CERAMIC 1000P K 50V	
C516	3032761317	CERAMIC 1000P K 50V	
C517	3032761317	CERAMIC 1000P K 50V	
C518	3034093426	CERAMIC 0.1U K 16V	
C519	3032761317	CERAMIC 1000P K 50V	
C520	3033687319	CERAMIC 10U K 6.3V	
C521	3034093426	CERAMIC 0.1U K 16V	
C522	4041290901	ELECT 100U M 6.3V	
C523	4041290901	ELECT 100U M 6.3V	
C524	3034093426	CERAMIC 0.1U K 16V	
C525	3034093426	CERAMIC 0.1U K 16V	
C526	3034093426	CERAMIC 0.1U K 16V	
C527	3034093426	CERAMIC 0.1U K 16V	
C528	3034093426	CERAMIC 0.1U K 16V	
C529	3034093426	CERAMIC 0.1U K 16V	
C530	3034093426	CERAMIC 0.1U K 16V	
C5304	3034540613	CERAMIC 10000P K 50V	
C531	3034093426	CERAMIC 0.1U K 16V	
C5315	3034093426	CERAMIC 0.1U K 16V	
C5316	3034420519	CERAMIC 0.068U K 16V	
C532	3034093426	CERAMIC 0.1U K 16V	
C533	3034093426	CERAMIC 0.1U K 16V	
C5332	3034093426	CERAMIC 0.1U K 16V	
C534	3034093426	CERAMIC 0.1U K 16V	
C535	3034093426	CERAMIC 0.1U K 16V	
C536	3034093426	CERAMIC 0.1U K 16V	
C537	3032761317	CERAMIC 1000P K 50V	
C538	3034093426	CERAMIC 0.1U K 16V	
C539	3034093426	CERAMIC 0.1U K 16V	
C540	3034093426	CERAMIC 0.1U K 16V	
C541	3034093426	CERAMIC 0.1U K 16V	
C542	3034093426	CERAMIC 0.1U K 16V	
C543	3034093426	CERAMIC 0.1U K 16V	
C544	3034093426	CERAMIC 0.1U K 16V	
C545	3034093426	CERAMIC 0.1U K 16V	
C546	3034093426	CERAMIC 0.1U K 16V	
C547	3033727510	CERAMIC 2.2U K 6.3V	
C548	3033727510	CERAMIC 2.2U K 6.3V	
C549	3034093426	CERAMIC 0.1U K 16V	
C550	3033969613	CERAMIC 1U K 25V	
C551	4041285402	ELECT 47U M 25V	
C552	3033969613	CERAMIC 1U K 25V	
C553	3034013810	ELECT 10U M 25V	
C554	3033969613	CERAMIC 1U K 25V	
C555	4041285402	ELECT 47U M 25V	
C556	3033969613	CERAMIC 1U K 25V	
C557	3034013810	ELECT 10U M 25V	
C558	3033969613	CERAMIC 1U K 25V	
C559	4041285402	ELECT 47U M 25V	
C560	3033969613	CERAMIC 1U K 25V	
C561	3032761317	CERAMIC 1000P K 50V	
C5611	3033983312	ELECT 47U M 10V	
C5612	3034093426	CERAMIC 0.1U K 16V	
C5613	4041284405	ELECT 47U M 6.3V	
C5614	4034551012	CERAMIC 1U K 10V	
C562	4034551012	CERAMIC 1U K 10V	
C5621	4034551012	CERAMIC 1U K 10V	
C563	3032761317	CERAMIC 1000P K 50V	
C564	3032761317	CERAMIC 1000P K 50V	
C565	3034093426	CERAMIC 0.1U K 16V	
C566	3034093426	CERAMIC 0.1U K 16V	
C5665	4034551012	CERAMIC 1U K 10V	

Electrical Parts List

Ref.	Part No.	Description	Note
C567	3032761317	CERAMIC 1000P K 50V	
C568	3032761317	CERAMIC 1000P K 50V	
C569	3034093426	CERAMIC 0.1U K 16V	
C570	3034093426	CERAMIC 0.1U K 16V	
C5703	3033983312	ELECT 47U M 10V	
C5705	4041285402	ELECT 47U M 25V	
C5706	3034093426	CERAMIC 0.1U K 16V	
C5707	3033246417	CERAMIC 0.022U K 16V	
C571	3032761317	CERAMIC 1000P K 50V	
C5710	4034551012	CERAMIC 1U K 10V	
C572	3032761317	CERAMIC 1000P K 50V	
C573	3034093426	CERAMIC 0.1U K 16V	
C574	3034093426	CERAMIC 0.1U K 16V	
C575	3032761317	CERAMIC 1000P K 50V	
C576	3032761317	CERAMIC 1000P K 50V	
C577	3034093426	CERAMIC 0.1U K 16V	
C578	3034093426	CERAMIC 0.1U K 16V	
C579	3034013810	ELECT 10U M 25V	
C580	3034013810	ELECT 10U M 25V	
C581	3034374614	CERAMIC 10U K 25V	
C582	3034013810	ELECT 10U M 25V	
C5821	3034540613	CERAMIC 10000P K 50V	
C5822	3032795114	CERAMIC 3300P K 50V	
C5823	3034093426	CERAMIC 0.1U K 16V	
C5824	4034551616	CERAMIC 10U K 16V	
C5825	4034551616	CERAMIC 10U K 16V	
C5826	3034093426	CERAMIC 0.1U K 16V	
C5827	3033925015	CERAMIC 22U M 6.3V	
C5828	3033925015	CERAMIC 22U M 6.3V	
C5829	3032796210	CERAMIC 10P J 50V	
C583	3034374614	CERAMIC 10U K 25V	
C5831	4034551616	CERAMIC 10U K 16V	
C5832	3034093426	CERAMIC 0.1U K 16V	
C5833	4041290901	ELECT 100U M 6.3V	
C5834	3034540613	CERAMIC 10000P K 50V	
C5835	3033925015	CERAMIC 22U M 6.3V	
C5836	4041228706	EP-ELECT 330U M 4V	
C5839	3034540613	CERAMIC 10000P K 50V	
C584	3034013810	ELECT 10U M 25V	
C5840	3031577018	CERAMIC 1800P K 50V	
C5841	4034551012	CERAMIC 1U K 10V	
C5842	3034093426	CERAMIC 0.1U K 16V	
C5843	3033687319	CERAMIC 10U K 6.3V	
C5844	3034093426	CERAMIC 0.1U K 16V	
C5845	3034093426	CERAMIC 0.1U K 16V	
C585	3034013810	ELECT 10U M 25V	
C586	3034013810	ELECT 10U M 25V	
C5860	3034093426	CERAMIC 0.1U K 16V	
C5862	4034551616	CERAMIC 10U K 16V	
C5863	3034093426	CERAMIC 0.1U K 16V	
C5864	4034551616	CERAMIC 10U K 16V	
C5867	3032844317	CERAMIC 0.022U K 50V	
C5868	3032796210	CERAMIC 10P J 50V	
C5869	3033925015	CERAMIC 22U M 6.3V	
C587	3033766212	CERAMIC 0.22U K 10V	
C5871	3033925015	CERAMIC 22U M 6.3V	
C589	3032761317	CERAMIC 1000P K 50V	
C590	3032761317	CERAMIC 1000P K 50V	
C591	3033766212	CERAMIC 0.22U K 10V	
C592	3033766212	CERAMIC 0.22U K 10V	
C593	3033766212	CERAMIC 0.22U K 10V	
C594	3033766212	CERAMIC 0.22U K 10V	
C595	3034374614	CERAMIC 10U K 25V	
C596	4034670911	CERAMIC 0.1U K 25V	
C597	4034670911	CERAMIC 0.1U K 25V	
C598	3034374614	CERAMIC 10U K 25V	
C599	3033687319	CERAMIC 10U K 6.3V	
C6001	4041284405	ELECT 47U M 6.3V	
C6002	3034093426	CERAMIC 0.1U K 16V	
C6003	3032761911	CERAMIC 22P J 50V	
C6004	4041284405	ELECT 47U M 6.3V	
C6005	3034093426	CERAMIC 0.1U K 16V	
C6008	3034093426	CERAMIC 0.1U K 16V	
C6009	3033687319	CERAMIC 10U K 6.3V	
C6010	3033687319	CERAMIC 10U K 6.3V	
C6801	3034093426	CERAMIC 0.1U K 16V	
C6802	3034093426	CERAMIC 0.1U K 16V	
C6803	3034093426	CERAMIC 0.1U K 16V	
C7100	3034093426	CERAMIC 0.1U K 16V	
C7101	4034551012	CERAMIC 1U K 10V	
C7103	3033827814	CERAMIC 2.2U K 10V	
C7801	4041290901	ELECT 100U M 6.3V	
C7802	3034093426	CERAMIC 0.1U K 16V	
C7803	3034093426	CERAMIC 0.1U K 16V	
C7804	3034093426	CERAMIC 0.1U K 16V	
C7805	3034093426	CERAMIC 0.1U K 16V	
C7806	3034093426	CERAMIC 0.1U K 16V	
C7807	3034093426	CERAMIC 0.1U K 16V	
C7808	3034093426	CERAMIC 0.1U K 16V	
C7812	3034374614	CERAMIC 10U K 25V	
C7813	3034374614	CERAMIC 10U K 25V	
C7814	3033978219	CERAMIC 2.2U K 25V	
C7815	3032753015	CERAMIC 0.047U K 16V	
C7816	3033058812	CERAMIC 47P J 50V	
C7818	4041284900	ELECT 220U M 16V	
C7819	3034540613	CERAMIC 10000P K 50V	
C7821	4034572512	CERAMIC 0.47U K 10V	
C7822	3032753015	CERAMIC 0.047U K 16V	
C7823	3033945815	CERAMIC 4.7U K 16V	
C7824	3033058812	CERAMIC 47P J 50V	
C7825	3033978219	CERAMIC 2.2U K 25V	
C7827	3034540613	CERAMIC 10000P K 50V	
C7828	4034572512	CERAMIC 0.47U K 10V	
C7829	4041284900	ELECT 220U M 16V	
C7851	3034374614	CERAMIC 10U K 25V	
C7852	4034670911	CERAMIC 0.1U K 25V	
C7853	4041284801	ELECT 100U M 16V	
C7854	4034670911	CERAMIC 0.1U K 25V	
C7861	3034374614	CERAMIC 10U K 25V	
C7862	4034670911	CERAMIC 0.1U K 25V	
C7863	4041284801	ELECT 100U M 16V	
C7864	4034670911	CERAMIC 0.1U K 25V	
C7871	3034374614	CERAMIC 10U K 25V	
C7872	4034670911	CERAMIC 0.1U K 25V	
C7873	4041284801	ELECT 100U M 16V	
C7874	4034670911	CERAMIC 0.1U K 25V	
C7881	3034374614	CERAMIC 10U K 25V	
C7882	4034670911	CERAMIC 0.1U K 25V	
C7883	4041284801	ELECT 100U M 16V	
C7884	4034670911	CERAMIC 0.1U K 25V	
C7891	3034374614	CERAMIC 10U K 25V	
C7892	4034670911	CERAMIC 0.1U K 25V	
C7893	4041284801	ELECT 100U M 16V	
C7894	4034670911	CERAMIC 0.1U K 25V	
C8001	3033687319	CERAMIC 10U K 6.3V	
C8002	3034093426	CERAMIC 0.1U K 16V	
C8003	3034093426	CERAMIC 0.1U K 16V	
C8004	3034093426	CERAMIC 0.1U K 16V	
C8006	3034093426	CERAMIC 0.1U K 16V	
C8007	3034093426	CERAMIC 0.1U K 16V	
C8008	3033687319	CERAMIC 10U K 6.3V	
C8009	3033687319	CERAMIC 10U K 6.3V	
C801	3034093426	CERAMIC 0.1U K 16V	
C8011	3034093426	CERAMIC 0.1U K 16V	
C8012	3033687319	CERAMIC 10U K 6.3V	
C8013	3034093426	CERAMIC 0.1U K 16V	
C8014	3031397715	CERAMIC 7P D 50V	
C8016	3031571610	CERAMIC 6P D 50V	
C8017	3034093426	CERAMIC 0.1U K 16V	
C8018	3034093426	CERAMIC 0.1U K 16V	
C8019	3034093426	CERAMIC 0.1U K 16V	
C8021	3034093426	CERAMIC 0.1U K 16V	

Electrical Parts List

Ref.	Part No.	Description	Note
C8022	3034093426	CERAMIC 0.1U K 16V	
C8023	3034093426	CERAMIC 0.1U K 16V	
C8024	3033687319	CERAMIC 10U K 6.3V	
C8026	3033687319	CERAMIC 10U K 6.3V	
C8027	3033687319	CERAMIC 10U K 6.3V	
C8028	3034093426	CERAMIC 0.1U K 16V	
C8029	3034093426	CERAMIC 0.1U K 16V	
C803	3034093426	CERAMIC 0.1U K 16V	
C8031	3034093426	CERAMIC 0.1U K 16V	
C8032	3034093426	CERAMIC 0.1U K 16V	
C8033	3034093426	CERAMIC 0.1U K 16V	
C8034	3034093426	CERAMIC 0.1U K 16V	
C8036	3034093426	CERAMIC 0.1U K 16V	
C8037	3034093426	CERAMIC 0.1U K 16V	
C8038	3033687319	CERAMIC 10U K 6.3V	
C805	3033687319	CERAMIC 10U K 6.3V	
C806	3033687319	CERAMIC 10U K 6.3V	
C807	3034015715	CERAMIC 0.33U K 16V	
C808	3034015715	CERAMIC 0.33U K 16V	
C8081	3033687319	CERAMIC 10U K 6.3V	
C8092	3033984210	ELECT 56U M 16V	
C8093	4041290901	ELECT 100U M 6.3V	
C8096	4041228706	EP-ELECT 330U M 4V	
C8098	3033766212	CERAMIC 0.22U K 10V	
C811	3034539617	CERAMIC 33P J 50V	
C812	3034539617	CERAMIC 33P J 50V	
C813	3034539617	CERAMIC 33P J 50V	
C814	3034539617	CERAMIC 33P J 50V	
C815	3034539617	CERAMIC 33P J 50V	
C816	3034539617	CERAMIC 33P J 50V	
C817	3034539617	CERAMIC 33P J 50V	
C818	3034539617	CERAMIC 33P J 50V	
C819	3034539617	CERAMIC 33P J 50V	
C820	3034539617	CERAMIC 33P J 50V	
C821	3034539617	CERAMIC 33P J 50V	
C822	3034539617	CERAMIC 33P J 50V	
C823	3034539617	CERAMIC 33P J 50V	
C824	3034539617	CERAMIC 33P J 50V	
C825	3034539617	CERAMIC 33P J 50V	
C826	3034539617	CERAMIC 33P J 50V	
C8301	3033687319	CERAMIC 10U K 6.3V	
C8302	3033687319	CERAMIC 10U K 6.3V	
C8303	3034093426	CERAMIC 0.1U K 16V	
C841	4034551012	CERAMIC 1U K 10V	
C842	4041284405	ELECT 47U M 6.3V	
C843	3034540613	CERAMIC 10000P K 50V	
C844	3034541214	CERAMIC 1000P K 50V	
C8804	3034093426	CERAMIC 0.1U K 16V	
C8806	3034093426	CERAMIC 0.1U K 16V	
C8807	3034093426	CERAMIC 0.1U K 16V	
C8809	3034093426	CERAMIC 0.1U K 16V	
C8810	3034093426	CERAMIC 0.1U K 16V	
C8812	3033687319	CERAMIC 10U K 6.3V	
C8813	3034093426	CERAMIC 0.1U K 16V	
C8817	3034093426	CERAMIC 0.1U K 16V	
C8818	3034093426	CERAMIC 0.1U K 16V	
C8819	3033058515	CERAMIC 15P J 50V	
C8820	3033058515	CERAMIC 15P J 50V	
C8821	3033969613	CERAMIC 1U K 25V	
C8822	4034564210	CERAMIC 470P J 50V	
C8823	3034093426	CERAMIC 0.1U K 16V	
C8824	3034093426	CERAMIC 0.1U K 16V	
C8827	3034093426	CERAMIC 0.1U K 16V	
C8847	3033687319	CERAMIC 10U K 6.3V	
C8848	3032844317	CERAMIC 0.022U K 50V	
C9631	4034551012	CERAMIC 1U K 10V	
C9875	3033058812	CERAMIC 47P J 50V	
C9878	3033246417	CERAMIC 0.022U K 16V	
C9882	3034093426	CERAMIC 0.1U K 16V	
C9883	4041284405	ELECT 47U M 6.3V	
C9884	3034093426	CERAMIC 0.1U K 16V	
C9886	3034093426	CERAMIC 0.1U K 16V	
C9887	3034093426	CERAMIC 0.1U K 16V	
D1001	3072091214	ZD UDZS-TE-176.2B	
D1002	3072091214	ZD UDZS-TE-176.2B	
D1091	3072350816	DIODE 1SS387 TPL3	
D1092	3072055216	DIODE RB521S-30-TE61	
D2891	3072091214	ZD UDZS-TE-176.2B	
D2892	3072091214	ZD UDZS-TE-176.2B	
D2893	3072091214	ZD UDZS-TE-176.2B	
D2894	3072091214	ZD UDZS-TE-176.2B	
D333	4097155417	IC S10604	
D3602	3072350816	DIODE 1SS387 TPL3	
D3603	3072350816	DIODE 1SS387 TPL3	
D3604	3072350816	DIODE 1SS387 TPL3	
D3605	3072350816	DIODE 1SS387 TPL3	
D3606	3072350816	DIODE 1SS387 TPL3	
D3607	3072350816	DIODE 1SS387 TPL3	
D3608	3072350816	DIODE 1SS387 TPL3	
D3609	3072350816	DIODE 1SS387 TPL3	
D3610	3072350816	DIODE 1SS387 TPL3	
D3617	3072350816	DIODE 1SS387 TPL3	
D3621	3072350816	DIODE 1SS387 TPL3	
D3622	3072350816	DIODE 1SS387 TPL3	
D3623	3072350816	DIODE 1SS387 TPL3	
D3624	3072350816	DIODE 1SS387 TPL3	
D3625	3072350816	DIODE 1SS387 TPL3	
D3629	3072350816	DIODE 1SS387 TPL3	
D3636	3072350816	DIODE 1SS387 TPL3	
D3637	3072350816	DIODE 1SS387 TPL3	
D3638	3072350816	DIODE 1SS387 TPL3	
D3639	3072350816	DIODE 1SS387 TPL3	
D3640	3072350816	DIODE 1SS387 TPL3	
D4001	3072350816	DIODE 1SS387 TPL3	
D411	3072350816	DIODE 1SS387 TPL3	
D412	3072350816	DIODE 1SS387 TPL3	
D413	3072350816	DIODE 1SS387 TPL3	
D4812	3072091214	ZD UDZS-TE-176.2B	
D4813	3072091214	ZD UDZS-TE-176.2B	
D5602	3072105416	DIODE RB551V-30-TE-17	
D5603	3072105416	DIODE RB551V-30-TE-17	
D5622	3072350816	DIODE 1SS387 TPL3	
D5623	3072350816	DIODE 1SS387 TPL3	
D5624	3072350816	DIODE 1SS387 TPL3	
D582	3072350816	DIODE 1SS387 TPL3	
D583	3072350816	DIODE 1SS387 TPL3	
D591	3072350816	DIODE 1SS387 TPL3	
D592	3072350816	DIODE 1SS387 TPL3	
D6801	3072091214	ZD UDZS-TE-176.2B	
D6802	3072091214	ZD UDZS-TE-176.2B	
D6803	3072091214	ZD UDZS-TE-176.2B	
D6831	4080685508	LED KPT-2012YC	
D6833	4080718503	LED KPT-2012SRC-PRV	
D6835	4080685201	LED KPTB-1612ESGC	
D6841	3072091214	ZD UDZS-TE-176.2B	
D6842	3072091214	ZD UDZS-TE-176.2B	
D6845	3072091214	ZD UDZS-TE-176.2B	
D6846	3072091214	ZD UDZS-TE-176.2B	
D7812	4072721415	DIODE SS3P4-M3/84A	
D7813	4072721415	DIODE SS3P4-M3/84A	
D8091	4072721415	DIODE SS3P4-M3/84A	
D8092	3072350816	DIODE 1SS387 TPL3	
D8093	3072350816	DIODE 1SS387 TPL3	
D8094	3072350816	DIODE 1SS387 TPL3	
FB3620	9450866037	IMPEDANCE,330 OHM P	
FB3621	9450866037	IMPEDANCE,330 OHM P	
FB3622	9450866037	IMPEDANCE,330 OHM P	
FB3623	9450866037	IMPEDANCE,330 OHM P	
FB3624	9450866037	IMPEDANCE,330 OHM P	
FB3625	9450866037	IMPEDANCE,330 OHM P	
FB3626	9450866037	IMPEDANCE,330 OHM P	
FB3627	9450866037	IMPEDANCE,330 OHM P	

Electrical Parts List

Ref.	Part No.	Description	Note
FB3628	9450866037	IMPEDANCE,330 OHM P	
FB3629	9450866037	IMPEDANCE,330 OHM P	
IC1051	4107058308	IC M24C02-WMN6TP	
IC1371	4106568600	IC 24AA64T-I/MS	
IC301	4097117019	IC PW190-10SG	
IC302	3090396622	IC NJM2904-T2	
IC3601	3105960101	IC 74LVC14APW,118	
IC3602	3105960101	IC 74LVC14APW,118	
IC3801	4106301603	IC ICL3232ECV-16Z-T	
IC3802	3103494103	IC TC7W241FU(TE12L)	
IC3803	3103494103	IC TC7W241FU(TE12L)	
IC3804	3103494103	IC TC7W241FU(TE12L)	
IC3850	4097061718	IC LIS331DLHTR	
IC4001	4106864702	IC EL5306IUZ-T7	
IC411	4107312004	IC TPS54327DDAR	
IC421	4107363204	IC XC6220B101PR-G	
IC431	4096996516	IC TA48S00AF	
IC441	4096996516	IC TA48S00AF	
IC4701	3094288428	IC TC7WT125FU-TE12L	
IC501	4097151518	IC CXD3551GG	
IC521	3104794004	IC TC7WBD125AFK	
IC531	4107346405	IC EM68B16CWQD-25H	
IC5602	4107312103	IC XC6204F502PR-G	
IC561	4097151419	IC CXA3828GL	
IC582	3094617822	IC PQ20WZ11	
IC5821	4107312004	IC TPS54327DDAR	
IC5831	4096892115	IC MP2106DK	
IC5841	3095985217	IC TAR5S25	
IC5861	4107312004	IC TPS54327DDAR	
IC592	3094617822	IC PQ20WZ11	
IC601	4097062111	IC TB6608FNG	
IC7100	4096996516	IC TA48S00AF	
IC7801	3094314424	IC M62334FP-DF5Q	
IC7811	4107064705	IC TPS54286PWPR	
IC7851	3094617822	IC PQ20WZ11	
IC7861	3094617822	IC PQ20WZ11	
IC7871	3094617822	IC PQ20WZ11	
IC7881	3094617822	IC PQ20WZ11	
IC7891	3094617822	IC PQ20WZ11	
IC8001	4096985510	IC SII9127ACTU	
IC801	4107348102	IC M29W640FT70N6E-KJ4CC VX500U/E/EJ/EA/EAJ	
IC801	4107348201	IC M29W640FT70N6E-KK4CC VW430U/E/EJ/EA/EAJ	
IC8081	4096959313	IC RT9711CGB	
IC8091	4107357500	IC TJ3965GRS-ADJ-5L	
IC8301	3095796516	IC PCM1754DBQR	
IC841	4096993010	IC PT7M7809STE	
IC8803	4107344906	IC LAN8710A-EZC-TR	
IC8821	4106544802	IC ADT75BRMZ-REEL	
IC8831	4106544802	IC ADT75BRMZ-REEL	
IC9882	3105960101	IC 74LVC14APW,118	
IC9885	4107333108	IC MB95F353EPFT-G-SNERE2	
IC9886	4097142011	IC TC7SH00FU(TE85L JF	
IC9887	4107364508	IC NL17SZ04DFT2G	
K10A	9520018601	SOCKET,D-SUB 15P	
K10B	9520018571	SOCKET,D-SUB 15P	
K8001	6520037618	SOCKET,HDMI 19P	
K8801	6520037038	TRANS,PULSE	
L1002	9450867577	FILTER,EMI 400MHZ	
L1012	9450867577	FILTER,EMI 400MHZ	
L1022	9450867577	FILTER,EMI 400MHZ	
L1051	9450867577	FILTER,EMI 400MHZ	
L1053	9450328344	INDUCTOR,39U J	
L1061	9450867577	FILTER,EMI 400MHZ	
L1071	9450867577	FILTER,EMI 400MHZ	
L2891	9450865368	IMPEDANCE,220 OHM P	
L2892	9450189327	INDUCTOR,1000 OHM	
L2893	9450189327	INDUCTOR,1000 OHM	
L2894	9450866037	IMPEDANCE,330 OHM P	
L2895	9450866037	IMPEDANCE,330 OHM P	
L2896	9450866037	IMPEDANCE,330 OHM P	
L2897	9450866037	IMPEDANCE,330 OHM P	
L2898	9450866037	IMPEDANCE,330 OHM P	
L2899	9450189327	INDUCTOR,1000 OHM	
L301	9450865368	IMPEDANCE,220 OHM P	
L302	9450865368	IMPEDANCE,220 OHM P	
L303	9450865368	IMPEDANCE,220 OHM P	
L304	9450865368	IMPEDANCE,220 OHM P	
L305	9450865368	IMPEDANCE,220 OHM P	
L306	9450865368	IMPEDANCE,220 OHM P	
L307	9450865368	IMPEDANCE,220 OHM P	
L308	9450865368	IMPEDANCE,220 OHM P	
L309	9450865368	IMPEDANCE,220 OHM P	
L311	9450865368	IMPEDANCE,220 OHM P	
L312	9450865368	IMPEDANCE,220 OHM P	
L313	9450865368	IMPEDANCE,220 OHM P	
L314	9450865368	IMPEDANCE,220 OHM P	
L3621	9450865368	IMPEDANCE,220 OHM P	
L3622	9450865368	IMPEDANCE,220 OHM P	
L3623	9450865368	IMPEDANCE,220 OHM P	
L3624	9450865368	IMPEDANCE,220 OHM P	
L3625	9450865368	IMPEDANCE,220 OHM P	
L3626	9450865368	IMPEDANCE,220 OHM P	
L3627	9450865368	IMPEDANCE,220 OHM P	
L3628	9450865368	IMPEDANCE,220 OHM P	
L3629	9450865368	IMPEDANCE,220 OHM P	
L3630	9450865368	IMPEDANCE,220 OHM P	
L3631	9450865368	IMPEDANCE,220 OHM P	
L3632	9450865368	IMPEDANCE,220 OHM P	
L3633	9450865368	IMPEDANCE,220 OHM P	
L3634	9450865368	IMPEDANCE,220 OHM P	
L3635	9450865368	IMPEDANCE,220 OHM P	
L3636	9450865368	IMPEDANCE,220 OHM P	
L3637	9450865368	IMPEDANCE,220 OHM P	
L3638	9450865368	IMPEDANCE,220 OHM P	
L3639	9450865368	IMPEDANCE,220 OHM P	
L3640	9450865368	IMPEDANCE,220 OHM P	
L411	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L413	9450411978	INDUCTOR,330 OHM	
L414	6451048431	INDUCTOR,2.2U N	
L415	9450411978	INDUCTOR,330 OHM	
L421	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L423	6520028500	INDUCTOR 330OHM, P	
L426	6520028500	INDUCTOR 330OHM, P	
L431	6520028500	INDUCTOR 330OHM, P	
L4809	9450189327	INDUCTOR,1000 OHM	
L4810	9450189327	INDUCTOR,1000 OHM	
L4811	9450189327	INDUCTOR,1000 OHM	
L4812	9450865368	IMPEDANCE,220 OHM P	
L4814	9450189327	INDUCTOR,1000 OHM	
L5606	6520028500	INDUCTOR 330OHM, P	
L5608	6520028500	INDUCTOR 330OHM, P	
L5609	6520028500	INDUCTOR 330OHM, P	
L561	6520028500	INDUCTOR 330OHM, P	
L562	6520028500	INDUCTOR 330OHM, P	
L563	6520028500	INDUCTOR 330OHM, P	
L564	6520028500	INDUCTOR 330OHM, P	
L565	6520028500	INDUCTOR 330OHM, P	
L566	6520028500	INDUCTOR 330OHM, P	
L567	6520028500	INDUCTOR 330OHM, P	
L568	6520028500	INDUCTOR 330OHM, P	
L569	6520028500	INDUCTOR 330OHM, P	
L570	6520028500	INDUCTOR 330OHM, P	
L5700	6520028500	INDUCTOR 330OHM, P	
L5701	6520028500	INDUCTOR 330OHM, P	
L5703	6520028500	INDUCTOR 330OHM, P	
L5704	6520028500	INDUCTOR 330OHM, P	
L571	6520028500	INDUCTOR 330OHM, P	
L572	6520028500	INDUCTOR 330OHM, P	
L5721	9450865368	IMPEDANCE,220 OHM P	
L5802	9450411978	INDUCTOR,330 OHM	

Electrical Parts List

Ref.	Part No.	Description	Note
L581	6520028500	INDUCTOR 330OHM, P	
L582	6520028500	INDUCTOR 330OHM, P	
L5821	6451048431	INDUCTOR,2.2U N	
L5822	9450411978	INDUCTOR,330 OHM	
L5827	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L5828	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L583	6520028500	INDUCTOR 330OHM, P	
L5831	9450411978	INDUCTOR,330 OHM	
L5832	9450865368	IMPEDANCE,220 OHM P	
L5833	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L5834	9450622930	INDUCTOR,10U M	
L5836	9450411978	INDUCTOR,330 OHM	
L584	6520028500	INDUCTOR 330OHM, P	
L5842	9450865368	IMPEDANCE,220 OHM P	
L5848	9450411978	INDUCTOR,330 OHM	
L585	6520028500	INDUCTOR 330OHM, P	
L586	6520028500	INDUCTOR 330OHM, P	
L5861	6451048431	INDUCTOR,2.2U N	
L5862	9450411978	INDUCTOR,330 OHM	
L5867	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L5868	9450411978	INDUCTOR,330 OHM	
L5869	3010375017	MT-GLAZE 0.000 ZA 1/10W	
L587	6520028500	INDUCTOR 330OHM, P	
L588	6520028500	INDUCTOR 330OHM, P	
L589	6520028500	INDUCTOR 330OHM, P	
L590	6520028500	INDUCTOR 330OHM, P	
L6001	9450363895	INDUCTOR,220 OHM	
L6002	9450363895	INDUCTOR,220 OHM	
L6003	9450363895	INDUCTOR,220 OHM	
L6004	9450363895	INDUCTOR,220 OHM	
L6005	6450923616	IMPEDANCE,22 OHM P	
L6006	6450923616	IMPEDANCE,22 OHM P	
L7101	9450411978	INDUCTOR,330 OHM	
L7811	6451041159	INDUCTOR,15U M	
L7812	6451041159	INDUCTOR,15U M	
L8001	9450866600	IMPEDANCE,220 OHM P	
L8002	9450866600	IMPEDANCE,220 OHM P	
L8003	9450866600	IMPEDANCE,220 OHM P	
L8004	9450866600	IMPEDANCE,220 OHM P	
L8006	9450866600	IMPEDANCE,220 OHM P	
L8007	9450866600	IMPEDANCE,220 OHM P	
L8010	6520036499	INDUCTOR ,90 OHM	
L8011	6520036499	INDUCTOR ,90 OHM	
L8012	6520036499	INDUCTOR ,90 OHM	
L8013	6520036499	INDUCTOR ,90 OHM	
L8019	6520028500	INDUCTOR 330OHM, P	
L8020	3012261516	MT-GLAZE 0.000 ZA 1/16W	
L8802	6520028500	INDUCTOR 330OHM, P	
L8810	6520028500	INDUCTOR 330OHM, P	
Q1001	4060217804	TR 2SC4617	
Q1002	4060217804	TR 2SC4617	
Q1003	3052177815	TR HN1B04FE-Y TE85L	
Q1004	3052177815	TR HN1B04FE-Y TE85L	
Q1005	4060217804	TR 2SC4617	
Q1006	3052177815	TR HN1B04FE-Y TE85L	
Q1007	4060217804	TR 2SC4617	
Q1008	4060217804	TR 2SC4617	
Q1012	4060217804	TR 2SC4617	
Q1021	4060217804	TR 2SC4617	
Q1031	3052177815	TR HN1B04FE-Y TE85L	
Q1041	3052177815	TR HN1B04FE-Y TE85L	
Q1051	3051472218	TR 2SA1037AK-S-T146	
Q2001	4060217804	TR 2SC4617	
Q2011	4060217804	TR 2SC4617	
Q2021	4060217804	TR 2SC4617	
Q3601	4060217804	TR 2SC4617	
Q3603	4060217804	TR 2SC4617	
Q3606	4060217804	TR 2SC4617	
Q3607	4060217804	TR 2SC4617	
Q3608	4060217804	TR 2SC4617	
Q3609	4060217804	TR 2SC4617	
Q3610	4060217804	TR 2SC4617	
Q401	4060217804	TR 2SC4617	
Q4012	3051472218	TR 2SA1037AK-S-T146	
Q4014	3052177815	TR HN1B04FE-Y TE85L	
Q5700	3052177815	TR HN1B04FE-Y TE85L	
Q5701	3051741819	TR CPH3424-TL-E	
Q6846	4060217804	TR 2SC4617	
Q7100	4052272814	TR TPC6113(TE85L,F,M)	
Q7101	4060217804	TR 2SC4617	
Q7811	3052177815	TR HN1B04FE-Y TE85L	
Q7812	4060217804	TR 2SC4617	
Q7816	3052177815	TR HN1B04FE-Y TE85L	
Q7817	4060217804	TR 2SC4617	
Q7851	3052177815	TR HN1B04FE-Y TE85L	
Q7861	3052177815	TR HN1B04FE-Y TE85L	
Q7871	3052177815	TR HN1B04FE-Y TE85L	
Q7881	3052177815	TR HN1B04FE-Y TE85L	
Q7891	3052177815	TR HN1B04FE-Y TE85L	
Q9602	3052111918	TR RJU002N06	
Q9603	3052111918	TR RJU002N06	
Q9604	3052111918	TR RJU002N06	
Q9631	3052177815	TR HN1B04FE-Y TE85L	
R1001	3012604115	MT-GLAZE 75 JA 1/3W	
R1002	3012251210	MT-GLAZE 4.7K JA 1/16W	
R1003	3012258110	MT-GLAZE 10 JA 1/16W	
R1004	3012251210	MT-GLAZE 4.7K JA 1/16W	
R1012	3012248814	MT-GLAZE 100 JA 1/16W	
R1021	3012604115	MT-GLAZE 75 JA 1/3W	
R1022	3012248814	MT-GLAZE 100 JA 1/16W	
R1025	3012604214	MT-GLAZE 82 JA 1/3W	
R1026	3012604214	MT-GLAZE 82 JA 1/3W	
R1028	3012604214	MT-GLAZE 82 JA 1/3W	
R1029	3012252019	MT-GLAZE 680 JA 1/16W	
R1031	3012251418	MT-GLAZE 47K JA 1/16W	
R1035	3012258110	MT-GLAZE 10 JA 1/16W	
R1036	3012258110	MT-GLAZE 10 JA 1/16W	
R1037	3012258110	MT-GLAZE 10 JA 1/16W	
R1038	3012248814	MT-GLAZE 100 JA 1/16W	
R1039	3012258110	MT-GLAZE 10 JA 1/16W	
R1040	3012249316	MT-GLAZE 1K JA 1/16W	
R1041	3012251418	MT-GLAZE 47K JA 1/16W	
R1042	3012249316	MT-GLAZE 1K JA 1/16W	
R1043	3010375017	MT-GLAZE 0.000 ZA 1/10W	
R1044	3012249316	MT-GLAZE 1K JA 1/16W	
R1046	3012249019	MT-GLAZE 10K JA 1/16W	
R1048	3012249019	MT-GLAZE 10K JA 1/16W	
R1049	3012249316	MT-GLAZE 1K JA 1/16W	
R1050	3012249316	MT-GLAZE 1K JA 1/16W	
R1051	3012251418	MT-GLAZE 47K JA 1/16W	
R1052	3012637420	MT-GLAZE 75 JA 1/16W	
R1053	3012942910	MT-GLAZE 560 FA 1/16W	
R1054	3012249316	MT-GLAZE 1K JA 1/16W	
R1055	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1056	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1057	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1060	3012249316	MT-GLAZE 1K JA 1/16W	
R1062	3012637420	MT-GLAZE 75 JA 1/16W	
R1063	3012252019	MT-GLAZE 680 JA 1/16W	
R1064	3012252019	MT-GLAZE 680 JA 1/16W	
R1065	3012249316	MT-GLAZE 1K JA 1/16W	
R1066	3012249316	MT-GLAZE 1K JA 1/16W	
R1069	3012249316	MT-GLAZE 1K JA 1/16W	
R1070	3012637420	MT-GLAZE 75 JA 1/16W	
R1071	3012248814	MT-GLAZE 100 JA 1/16W	
R1072	3012637420	MT-GLAZE 75 JA 1/16W	
R1075	3012637420	MT-GLAZE 75 JA 1/16W	
R1077	3012637420	MT-GLAZE 75 JA 1/16W	
R1078	3012637420	MT-GLAZE 75 JA 1/16W	
R1079	3012637420	MT-GLAZE 75 JA 1/16W	
R1080	3012637420	MT-GLAZE 75 JA 1/16W	
R1081	3012251418	MT-GLAZE 47K JA 1/16W	

Ref.	Part No.	Description	Note
R1083	3012258110	MT-GLAZE 10 JA 1/16W	
R1084	3012249316	MT-GLAZE 1K JA 1/16W	
R1085	3012251814	MT-GLAZE 47 JA 1/16W	
R1088	3012249316	MT-GLAZE 1K JA 1/16W	
R1089	3012249514	MT-GLAZE 2.2K JA 1/16W	
R1090	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1091	3012251418	MT-GLAZE 47K JA 1/16W	
R1094	3012249316	MT-GLAZE 1K JA 1/16W	
R1096	3012249019	MT-GLAZE 10K JA 1/16W	
R1099	3012409710	MT-GLAZE 820K JA 1/16W	
R1101	3012248814	MT-GLAZE 100 JA 1/16W	
R1105	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1111	3012604115	MT-GLAZE 75 JA 1/3W	
R1134	3012258110	MT-GLAZE 10 JA 1/16W	
R1150	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R1331	3012249415	MT-GLAZE 1M JA 1/16W	
R1362	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R1364	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R1871	3012249019	MT-GLAZE 10K JA 1/16W	
R2000	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R2002	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R2003	3010375116	MT-GLAZE 10 JA 1/10W	
R2006	3012253818	MT-GLAZE 1.5K JA 1/16W	
R2011	3010375116	MT-GLAZE 10 JA 1/10W	
R2016	3012253818	MT-GLAZE 1.5K JA 1/16W	
R2026	3012253818	MT-GLAZE 1.5K JA 1/16W	
R2036	3012248814	MT-GLAZE 100 JA 1/16W	
R2037	3012248814	MT-GLAZE 100 JA 1/16W	
R2038	3012248814	MT-GLAZE 100 JA 1/16W	
R2041	3012258110	MT-GLAZE 10 JA 1/16W	
R2042	3012258110	MT-GLAZE 10 JA 1/16W	
R2046	3012248814	MT-GLAZE 100 JA 1/16W	
R2047	3012248814	MT-GLAZE 100 JA 1/16W	
R2048	3012248814	MT-GLAZE 100 JA 1/16W	
R2049	3012248814	MT-GLAZE 100 JA 1/16W	
R2892	3012248814	MT-GLAZE 100 JA 1/16W	
R300	3012249019	MT-GLAZE 10K JA 1/16W	
R302	3012995312	MT-GLAZE 12K FA 1/16W	
R303	3012249316	MT-GLAZE 1K JA 1/16W	
R304	3012249316	MT-GLAZE 1K JA 1/16W	
R305	3012943115	MT-GLAZE 1K FA 1/16W	
R306	4013427314	MT-GLAZE 23.2K FA 1/16W	
R307	3012637420	MT-GLAZE 75 JA 1/16W	
R308	3012637420	MT-GLAZE 75 JA 1/16W	
R309	3012249316	MT-GLAZE 1K JA 1/16W	
R310	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R311	3012249316	MT-GLAZE 1K JA 1/16W	
R315	3012251814	MT-GLAZE 47 JA 1/16W	
R317	3012251814	MT-GLAZE 47 JA 1/16W	
R319	3012249019	MT-GLAZE 10K JA 1/16W	
R321	3012250213	MT-GLAZE 3.3K JA 1/16W	
R322	3012250213	MT-GLAZE 3.3K JA 1/16W	
R324	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R325	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R326	3012258011	MT-GLAZE 330 JA 1/16W	
R327	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R328	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R339	3012250213	MT-GLAZE 3.3K JA 1/16W	
R341	3012250213	MT-GLAZE 3.3K JA 1/16W	
R342	3012250213	MT-GLAZE 3.3K JA 1/16W	
R343	3012250213	MT-GLAZE 3.3K JA 1/16W	
R346	3012251814	MT-GLAZE 47 JA 1/16W	
R349	3012251814	MT-GLAZE 47 JA 1/16W	
R350	3012637420	MT-GLAZE 75 JA 1/16W	
R353	3012637420	MT-GLAZE 75 JA 1/16W	
R354	3012248814	MT-GLAZE 100 JA 1/16W	
R355	3012248814	MT-GLAZE 100 JA 1/16W	
R359	3012250015	MT-GLAZE 270 JA 1/16W	
R360	3012250015	MT-GLAZE 270 JA 1/16W	
R3601	3012249019	MT-GLAZE 10K JA 1/16W	
R3602	3012252118	MT-GLAZE 12K JA 1/16W	
R3603	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3604	3012249019	MT-GLAZE 10K JA 1/16W	
R3605	3012248913	MT-GLAZE 100K JA 1/16W	
R3606	3012248913	MT-GLAZE 100K JA 1/16W	
R3607	3012248913	MT-GLAZE 100K JA 1/16W	
R3608	3012249019	MT-GLAZE 10K JA 1/16W	
R3609	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R361	3012561517	MT-GLAZE 13K JA 1/10W	
R3610	3012249019	MT-GLAZE 10K JA 1/16W	
R3611	3012249019	MT-GLAZE 10K JA 1/16W	
R3612	3012248913	MT-GLAZE 100K JA 1/16W	
R3613	3012248913	MT-GLAZE 100K JA 1/16W	
R3614	3012248913	MT-GLAZE 100K JA 1/16W	
R3615	3012249019	MT-GLAZE 10K JA 1/16W	
R3616	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3617	3012248913	MT-GLAZE 100K JA 1/16W	
R3618	3012248913	MT-GLAZE 100K JA 1/16W	
R3620	3011901710	MT-GLAZE 0.000 ZA 1W	
R3621	3012249019	MT-GLAZE 10K JA 1/16W	
R3622	3012249019	MT-GLAZE 10K JA 1/16W	
R3623	3012249019	MT-GLAZE 10K JA 1/16W	
R3624	3012249019	MT-GLAZE 10K JA 1/16W	
R3625	3012249019	MT-GLAZE 10K JA 1/16W	
R3629	3012251210	MT-GLAZE 4.7K JA 1/16W	
R363	3012249316	MT-GLAZE 1K JA 1/16W	
R3631	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3632	3012252118	MT-GLAZE 12K JA 1/16W	
R3633	3012249019	MT-GLAZE 10K JA 1/16W	
R3636	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3637	3012249019	MT-GLAZE 10K JA 1/16W	
R3638	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3639	3012248913	MT-GLAZE 100K JA 1/16W	
R364	3012249316	MT-GLAZE 1K JA 1/16W	
R3640	3012249019	MT-GLAZE 10K JA 1/16W	
R3641	3012249316	MT-GLAZE 1K JA 1/16W	
R3642	3012249019	MT-GLAZE 10K JA 1/16W	
R3643	3012249019	MT-GLAZE 10K JA 1/16W	
R3644	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3645	3012249019	MT-GLAZE 10K JA 1/16W	
R3646	3012248913	MT-GLAZE 100K JA 1/16W	
R3647	3012248913	MT-GLAZE 100K JA 1/16W	
R3648	3012248913	MT-GLAZE 100K JA 1/16W	
R3649	3012249019	MT-GLAZE 10K JA 1/16W	
R366	3012249316	MT-GLAZE 1K JA 1/16W	
R367	3012251814	MT-GLAZE 47 JA 1/16W	
R368	3012251814	MT-GLAZE 47 JA 1/16W	
R369	3012250213	MT-GLAZE 3.3K JA 1/16W	
R371	3012258110	MT-GLAZE 10 JA 1/16W	
R372	3012258110	MT-GLAZE 10 JA 1/16W	
R373	3012258110	MT-GLAZE 10 JA 1/16W	
R376	3012258110	MT-GLAZE 10 JA 1/16W	
R377	3012250213	MT-GLAZE 3.3K JA 1/16W	
R378	3012249019	MT-GLAZE 10K JA 1/16W	
R380	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3801	3012258110	MT-GLAZE 10 JA 1/16W	
R3803	3012258110	MT-GLAZE 10 JA 1/16W	
R3804	3012258110	MT-GLAZE 10 JA 1/16W	
R3805	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R381	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3811	3012249316	MT-GLAZE 1K JA 1/16W	
R3815	3012258110	MT-GLAZE 10 JA 1/16W	
R3817	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R382	3012637420	MT-GLAZE 75 JA 1/16W	
R383	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R384	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R385	3012249217	MT-GLAZE 15K JA 1/16W	
R3856	3012249019	MT-GLAZE 10K JA 1/16W	
R3857	3012249019	MT-GLAZE 10K JA 1/16W	
R386	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R387	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R388	3012261516	MT-GLAZE 0.000 ZA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note
R390	3012249613	MT-GLAZE 2.7K JA 1/16W	
R391	3012250619	MT-GLAZE 5.6K JA 1/16W	
R392	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R394	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R400	3012258110	MT-GLAZE 10 JA 1/16W	
R4001	3012248814	MT-GLAZE 100 JA 1/16W	
R401	3012727814	MT-GLAZE 100 FA 1/16W	
R4014	3012251210	MT-GLAZE 4.7K JA 1/16W	
R4016	3012249514	MT-GLAZE 2.2K JA 1/16W	
R4017	3012249514	MT-GLAZE 2.2K JA 1/16W	
R402	3012727814	MT-GLAZE 100 FA 1/16W	
R4023	3012249019	MT-GLAZE 10K JA 1/16W	
R4024	3012251210	MT-GLAZE 4.7K JA 1/16W	
R403	3012727814	MT-GLAZE 100 FA 1/16W	
R404	3012727814	MT-GLAZE 100 FA 1/16W	
R405	3012727814	MT-GLAZE 100 FA 1/16W	
R406	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R407	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4072	3012248814	MT-GLAZE 100 JA 1/16W	
R4077	3012248814	MT-GLAZE 100 JA 1/16W	
R408	3012250213	MT-GLAZE 3.3K JA 1/16W	
R409	3012250213	MT-GLAZE 3.3K JA 1/16W	
R410	3012250213	MT-GLAZE 3.3K JA 1/16W	
R411	3012250213	MT-GLAZE 3.3K JA 1/16W	
R412	3012943016	MT-GLAZE 10K FA 1/16W	
R413	3012943016	MT-GLAZE 10K FA 1/16W	
R414	3012644616	MT-GLAZE 180 FA 1/10W	
R415	3012644616	MT-GLAZE 180 FA 1/10W	
R416	3012942712	MT-GLAZE 150 FA 1/16W	
R417	3012942712	MT-GLAZE 150 FA 1/16W	
R418	3012727814	MT-GLAZE 100 FA 1/16W	
R419	3012727814	MT-GLAZE 100 FA 1/16W	
R420	3012727814	MT-GLAZE 100 FA 1/16W	
R421	3012727814	MT-GLAZE 100 FA 1/16W	
R422	3012727814	MT-GLAZE 100 FA 1/16W	
R423	3012727814	MT-GLAZE 100 FA 1/16W	
R424	3012727814	MT-GLAZE 100 FA 1/16W	
R425	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R426	3012727814	MT-GLAZE 100 FA 1/16W	
R427	3012727814	MT-GLAZE 100 FA 1/16W	
R428	3012727814	MT-GLAZE 100 FA 1/16W	
R429	3012727814	MT-GLAZE 100 FA 1/16W	
R430	3012727814	MT-GLAZE 100 FA 1/16W	
R431	3012727814	MT-GLAZE 100 FA 1/16W	
R432	3012727814	MT-GLAZE 100 FA 1/16W	
R433	3012727814	MT-GLAZE 100 FA 1/16W	
R434	3012727814	MT-GLAZE 100 FA 1/16W	
R435	3012727814	MT-GLAZE 100 FA 1/16W	
R436	3012727814	MT-GLAZE 100 FA 1/16W	
R437	3012727814	MT-GLAZE 100 FA 1/16W	
R438	3012727814	MT-GLAZE 100 FA 1/16W	
R439	3012727814	MT-GLAZE 100 FA 1/16W	
R440	3012727814	MT-GLAZE 100 FA 1/16W	
R441	3012727814	MT-GLAZE 100 FA 1/16W	
R442	3012727814	MT-GLAZE 100 FA 1/16W	
R443	3012727814	MT-GLAZE 100 FA 1/16W	
R444	3012727814	MT-GLAZE 100 FA 1/16W	
R445	3012727814	MT-GLAZE 100 FA 1/16W	
R446	3012727814	MT-GLAZE 100 FA 1/16W	
R447	3012249316	MT-GLAZE 1K JA 1/16W	
R448	3012727814	MT-GLAZE 100 FA 1/16W	
R449	3012727814	MT-GLAZE 100 FA 1/16W	
R450	3012727814	MT-GLAZE 100 FA 1/16W	
R451	3012727814	MT-GLAZE 100 FA 1/16W	
R452	3012727814	MT-GLAZE 100 FA 1/16W	
R453	3012727814	MT-GLAZE 100 FA 1/16W	
R454	3012727814	MT-GLAZE 100 FA 1/16W	
R455	3012727814	MT-GLAZE 100 FA 1/16W	
R456	3012727814	MT-GLAZE 100 FA 1/16W	
R457	3012727814	MT-GLAZE 100 FA 1/16W	
R458	3012727814	MT-GLAZE 100 FA 1/16W	
R459	3012727814	MT-GLAZE 100 FA 1/16W	
R460	3012727814	MT-GLAZE 100 FA 1/16W	
R461	3012727814	MT-GLAZE 100 FA 1/16W	
R462	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R463	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R464	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R465	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R466	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R467	3012258110	MT-GLAZE 10 JA 1/16W	
R469	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R470	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R472	3012258110	MT-GLAZE 10 JA 1/16W	
R473	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R474	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R477	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R478	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R479	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R480	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R481	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R483	3012249712	MT-GLAZE 22 JA 1/16W	
R4831	3010375017	MT-GLAZE 0.000 ZA 1/10W	
R4834	3012249514	MT-GLAZE 2.2K JA 1/16W	
R484	3012249712	MT-GLAZE 22 JA 1/16W	
R485	3012249712	MT-GLAZE 22 JA 1/16W	
R486	3012249712	MT-GLAZE 22 JA 1/16W	
R4862	3012251616	MT-GLAZE 390 JA 1/16W	
R4863	3012251616	MT-GLAZE 390 JA 1/16W	
R487	3012249712	MT-GLAZE 22 JA 1/16W	
R488	3012249712	MT-GLAZE 22 JA 1/16W	
R489	3012249712	MT-GLAZE 22 JA 1/16W	
R490	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R491	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R492	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R493	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R494	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R495	3012258110	MT-GLAZE 10 JA 1/16W	
R496	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R497	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R498	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R499	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R500	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R501	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R502	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R503	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R504	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R505	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R506	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R507	3012258110	MT-GLAZE 10 JA 1/16W	
R508	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R509	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R510	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R511	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R512	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R513	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R514	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R515	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R516	3012251210	MT-GLAZE 4.7K JA 1/16W	
R517	4013429318	MT-GLAZE 360 FA 1/16W	
R518	3013018010	MT-GLAZE 1.5K FA 1/16W	
R521	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5213	3012248814	MT-GLAZE 100 JA 1/16W	
R5215	3012248814	MT-GLAZE 100 JA 1/16W	
R522	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5220	3012248814	MT-GLAZE 100 JA 1/16W	
R5223	3012248814	MT-GLAZE 100 JA 1/16W	
R523	3012250213	MT-GLAZE 3.3K JA 1/16W	
R524	3012250213	MT-GLAZE 3.3K JA 1/16W	
R527	3012251418	MT-GLAZE 47K JA 1/16W	
R530	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5300	3010375017	MT-GLAZE 0.000 ZA 1/10W	
R5303	3012251814	MT-GLAZE 47 JA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note
R531	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5317	3012251814	MT-GLAZE 47 JA 1/16W	
R532	3012943016	MT-GLAZE 10K FA 1/16W	
R533	3012943016	MT-GLAZE 10K FA 1/16W	
R534	3012248814	MT-GLAZE 100 JA 1/16W	
R537	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R540	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R541	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R543	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R547	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R548	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R553	3012942712	MT-GLAZE 150 FA 1/16W	
R554	3012942613	MT-GLAZE 4.7K FA 1/16W	
R555	3012942613	MT-GLAZE 4.7K FA 1/16W	
R558	3013025414	MT-GLAZE 220 FA 1/16W	
R559	3013013718	MT-GLAZE 2K FA 1/16W	
R560	3012942613	MT-GLAZE 4.7K FA 1/16W	
R5607	3012249316	MT-GLAZE 1K JA 1/16W	
R5608	3012248913	MT-GLAZE 100K JA 1/16W	
R561	3012249316	MT-GLAZE 1K JA 1/16W	
R563	3012250213	MT-GLAZE 3.3K JA 1/16W	
R564	3012250213	MT-GLAZE 3.3K JA 1/16W	
R568	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R569	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R570	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5701	3012872227	MT-GLAZE 22K FA 1/16W	
R5702	3012250718	MT-GLAZE 56K JA 1/16W	
R5703	3012249019	MT-GLAZE 10K JA 1/16W	
R5705	3012249019	MT-GLAZE 10K JA 1/16W	
R5706	3012249019	MT-GLAZE 10K JA 1/16W	
R5709	3012249019	MT-GLAZE 10K JA 1/16W	
R571	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5712	3012533712	MT-GLAZE 0.000 ZA 1/4W	
R5716	3012533712	MT-GLAZE 0.000 ZA 1/4W	
R5717	3012533712	MT-GLAZE 0.000 ZA 1/4W	
R572	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R573	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R574	3012258110	MT-GLAZE 10 JA 1/16W	
R5746	3012248814	MT-GLAZE 100 JA 1/16W	
R5749	3012248814	MT-GLAZE 100 JA 1/16W	
R575	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5756	3012248913	MT-GLAZE 100K JA 1/16W	
R5757	3012248913	MT-GLAZE 100K JA 1/16W	
R576	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R577	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R578	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R579	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R580	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5803	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5804	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R581	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R582	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5823	3012943214	MT-GLAZE 47K FA 1/16W	
R5824	3012943511	MT-GLAZE 27K FA 1/16W	
R5825	3012872227	MT-GLAZE 22K FA 1/16W	
R583	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5831	3012248913	MT-GLAZE 100K JA 1/16W	
R5832	3012257915	MT-GLAZE 220 JA 1/16W	
R5833	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5834	3012943016	MT-GLAZE 10K FA 1/16W	
R5835	3012943511	MT-GLAZE 27K FA 1/16W	
R584	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5841	3012943115	MT-GLAZE 1K FA 1/16W	
R5842	3010375017	MT-GLAZE 0.000 ZA 1/10W	
R585	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R586	3012258110	MT-GLAZE 10 JA 1/16W	
R5863	3012872227	MT-GLAZE 22K FA 1/16W	
R5864	3012985818	MT-GLAZE 9.1K FA 1/16W	
R5865	3012872227	MT-GLAZE 22K FA 1/16W	
R587	3012249316	MT-GLAZE 1K JA 1/16W	
R588	3012258110	MT-GLAZE 10 JA 1/16W	
R589	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R590	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R591	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R592	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R593	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R594	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R595	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R596	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R597	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R598	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R599	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6001	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6002	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6003	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6004	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6007	3012284515	MT-GLAZE 2.2 JA 1/16W	
R6009	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6010	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6011	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6012	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6015	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6016	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6017	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6018	3012249019	MT-GLAZE 10K JA 1/16W	
R6019	3012249019	MT-GLAZE 10K JA 1/16W	
R6021	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6022	3011901413	MT-GLAZE 0.000 ZA 1/2W	
R6023	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R6801	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6803	3012249019	MT-GLAZE 10K JA 1/16W	
R6804	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6806	3012249217	MT-GLAZE 15K JA 1/16W	
R6807	3012349917	MT-GLAZE 6.8K JA 1/16W	
R6808	3012251517	MT-GLAZE 3.9K JA 1/16W	
R6809	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6811	3012251517	MT-GLAZE 3.9K JA 1/16W	
R6812	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6813	3012249019	MT-GLAZE 10K JA 1/16W	
R6822	3012249316	MT-GLAZE 1K JA 1/16W	
R6823	3012249019	MT-GLAZE 10K JA 1/16W	
R6867	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R6872	3012258011	MT-GLAZE 330 JA 1/16W	
R6873	3012258011	MT-GLAZE 330 JA 1/16W	
R6874	3012249019	MT-GLAZE 10K JA 1/16W	
R7100	3012249019	MT-GLAZE 10K JA 1/16W	
R7101	3012943313	MT-GLAZE 15K FA 1/16W	
R7102	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7103	3012942613	MT-GLAZE 4.7K FA 1/16W	
R7104	3012249019	MT-GLAZE 10K JA 1/16W	
R7105	3012249316	MT-GLAZE 1K JA 1/16W	
R7108	3012249316	MT-GLAZE 1K JA 1/16W	
R7109	3012251418	MT-GLAZE 47K JA 1/16W	
R7801	3012258110	MT-GLAZE 10 JA 1/16W	
R7802	3012258110	MT-GLAZE 10 JA 1/16W	
R7803	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7806	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7807	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7808	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7809	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7820	3012249019	MT-GLAZE 10K JA 1/16W	
R7821	3012258110	MT-GLAZE 10 JA 1/16W	
R7822	3012646115	MT-GLAZE 20K FA 1/10W	
R7823	3012994810	MT-GLAZE 2.7K FA 1/16W	
R7824	3013018010	MT-GLAZE 1.5K FA 1/16W	
R7825	3012942910	MT-GLAZE 560 FA 1/16W	
R7826	3012249316	MT-GLAZE 1K JA 1/16W	
R7827	3012249316	MT-GLAZE 1K JA 1/16W	
R7828	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7829	3012249514	MT-GLAZE 2.2K JA 1/16W	
R7831	3012248913	MT-GLAZE 100K JA 1/16W	
R7832	3012251210	MT-GLAZE 4.7K JA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note
R7833	3012251517	MT-GLAZE 3.9K JA 1/16W	
R7835	3012258110	MT-GLAZE 10 JA 1/16W	
R7836	3013018010	MT-GLAZE 1.5K FA 1/16W	
R7837	3012942910	MT-GLAZE 560 FA 1/16W	
R7838	3012994810	MT-GLAZE 2.7K FA 1/16W	
R7839	3012646115	MT-GLAZE 20K FA 1/10W	
R7840	3012249514	MT-GLAZE 2.2K JA 1/16W	
R7841	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7842	3012249019	MT-GLAZE 10K JA 1/16W	
R7845	3012249316	MT-GLAZE 1K JA 1/16W	
R7846	3012249316	MT-GLAZE 1K JA 1/16W	
R7847	3012248913	MT-GLAZE 100K JA 1/16W	
R7848	3012251517	MT-GLAZE 3.9K JA 1/16W	
R7849	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7850	3012943115	MT-GLAZE 1K FA 1/16W	
R7851	3012249316	MT-GLAZE 1K JA 1/16W	
R7852	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7853	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7854	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7855	3012985610	MT-GLAZE 390 FA 1/16W	
R7856	3012943115	MT-GLAZE 1K FA 1/16W	
R7857	3012944112	MT-GLAZE 30K FA 1/16W	
R7858	3012249019	MT-GLAZE 10K JA 1/16W	
R7859	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7860	3012943115	MT-GLAZE 1K FA 1/16W	
R7861	3012249316	MT-GLAZE 1K JA 1/16W	
R7862	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7863	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7864	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7865	3012985610	MT-GLAZE 390 FA 1/16W	
R7866	3012943115	MT-GLAZE 1K FA 1/16W	
R7867	3012944112	MT-GLAZE 30K FA 1/16W	
R7868	3012249019	MT-GLAZE 10K JA 1/16W	
R7869	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7870	3012943115	MT-GLAZE 1K FA 1/16W	
R7871	3012249316	MT-GLAZE 1K JA 1/16W	
R7872	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7873	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7874	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7875	3012985610	MT-GLAZE 390 FA 1/16W	
R7876	3012943115	MT-GLAZE 1K FA 1/16W	
R7877	3012944112	MT-GLAZE 30K FA 1/16W	
R7878	3012249019	MT-GLAZE 10K JA 1/16W	
R7879	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7880	3012943115	MT-GLAZE 1K FA 1/16W	
R7881	3012249316	MT-GLAZE 1K JA 1/16W	
R7882	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7883	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7884	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7885	3012985610	MT-GLAZE 390 FA 1/16W	
R7886	3012943115	MT-GLAZE 1K FA 1/16W	
R7887	3012944112	MT-GLAZE 30K FA 1/16W	
R7888	3012249019	MT-GLAZE 10K JA 1/16W	
R7889	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7890	3012943115	MT-GLAZE 1K FA 1/16W	
R7891	3012249316	MT-GLAZE 1K JA 1/16W	
R7892	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7893	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7894	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7895	3012985610	MT-GLAZE 390 FA 1/16W	
R7896	3012943115	MT-GLAZE 1K FA 1/16W	
R7897	3012944112	MT-GLAZE 30K FA 1/16W	
R7898	3012249019	MT-GLAZE 10K JA 1/16W	
R7899	3012250213	MT-GLAZE 3.3K JA 1/16W	
R8001	3012645316	MT-GLAZE 2.2 JA 1/10W	
R8002	3012645316	MT-GLAZE 2.2 JA 1/10W	
R8003	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8004	3012249415	MT-GLAZE 1M JA 1/16W	
R8008	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8009	3012251210	MT-GLAZE 4.7K JA 1/16W	
R801	3012249019	MT-GLAZE 10K JA 1/16W	
R8014	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8018	3012251210	MT-GLAZE 4.7K JA 1/16W	
R802	3012249316	MT-GLAZE 1K JA 1/16W	
R8022	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8023	3012645316	MT-GLAZE 2.2 JA 1/10W	
R8029	3012250312	MT-GLAZE 33 JA 1/16W	
R803	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8031	3012250312	MT-GLAZE 33 JA 1/16W	
R8032	3012250312	MT-GLAZE 33 JA 1/16W	
R8033	3012250312	MT-GLAZE 33 JA 1/16W	
R8034	3012250312	MT-GLAZE 33 JA 1/16W	
R804	3012249019	MT-GLAZE 10K JA 1/16W	
R8043	3012251418	MT-GLAZE 47K JA 1/16W	
R8044	3012251418	MT-GLAZE 47K JA 1/16W	
R8045	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8046	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8047	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8048	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R805	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8051	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8052	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8053	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8054	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8056	3012251418	MT-GLAZE 47K JA 1/16W	
R8057	3012251418	MT-GLAZE 47K JA 1/16W	
R806	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R807	3012249019	MT-GLAZE 10K JA 1/16W	
R808	3012249019	MT-GLAZE 10K JA 1/16W	
R8084	3012249316	MT-GLAZE 1K JA 1/16W	
R8086	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R8088	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R809	3012944419	MT-GLAZE 1.8K FA 1/16W	
R8091	3012253818	MT-GLAZE 1.5K JA 1/16W	
R8093	3013388113	MT-GLAZE 1.2K FA 1/16W	
R8094	3012944419	MT-GLAZE 1.8K FA 1/16W	
R8095	3012943214	MT-GLAZE 47K FA 1/16W	
R810	3012251210	MT-GLAZE 4.7K JA 1/16W	
R812	3012249316	MT-GLAZE 1K JA 1/16W	
R813	3012249316	MT-GLAZE 1K JA 1/16W	
R8311	3012249712	MT-GLAZE 22 JA 1/16W	
R8313	3012249712	MT-GLAZE 22 JA 1/16W	
R851	3012249316	MT-GLAZE 1K JA 1/16W	
R852	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8801	3012250312	MT-GLAZE 33 JA 1/16W	
R8802	3012250312	MT-GLAZE 33 JA 1/16W	
R8803	3012250312	MT-GLAZE 33 JA 1/16W	
R8805	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8806	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8807	3012251319	MT-GLAZE 470 JA 1/16W	
R8808	3012258110	MT-GLAZE 10 JA 1/16W	
R8809	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8810	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8811	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8812	3012258110	MT-GLAZE 10 JA 1/16W	
R8814	3012250312	MT-GLAZE 33 JA 1/16W	
R8815	3012250312	MT-GLAZE 33 JA 1/16W	
R8816	3012250312	MT-GLAZE 33 JA 1/16W	
R8817	3012250312	MT-GLAZE 33 JA 1/16W	
R8818	3012253818	MT-GLAZE 1.5K JA 1/16W	
R8821	3012258110	MT-GLAZE 10 JA 1/16W	
R8834	3012995312	MT-GLAZE 12K FA 1/16W	
R8835	3012727814	MT-GLAZE 100 FA 1/16W	
R8839	3012249415	MT-GLAZE 1M JA 1/16W	
R8841	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8842	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8843	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8844	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8850	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R8855	3012249019	MT-GLAZE 10K JA 1/16W	
R8861	3012258110	MT-GLAZE 10 JA 1/16W	
R8864	3012258110	MT-GLAZE 10 JA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note
R8865	3012250312	MT-GLAZE 33 JA 1/16W	
R8866	3012250312	MT-GLAZE 33 JA 1/16W	
R8867	3012250312	MT-GLAZE 33 JA 1/16W	
R8868	3012250312	MT-GLAZE 33 JA 1/16W	
R8869	3012250312	MT-GLAZE 33 JA 1/16W	
R8870	3012250312	MT-GLAZE 33 JA 1/16W	
R8871	3012250312	MT-GLAZE 33 JA 1/16W	
R8872	3012250312	MT-GLAZE 33 JA 1/16W	
R8875	3012250312	MT-GLAZE 33 JA 1/16W	
R8876	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R900	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R901	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R902	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R903	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R904	3012249316	MT-GLAZE 1K JA 1/16W	
R905	3012251210	MT-GLAZE 4.7K JA 1/16W	
R906	4013429318	MT-GLAZE 360 FA 1/16W	
R907	3013018010	MT-GLAZE 1.5K FA 1/16W	
R908	3012943016	MT-GLAZE 10K FA 1/16W	
R909	3012872227	MT-GLAZE 22K FA 1/16W	
R910	3012943511	MT-GLAZE 27K FA 1/16W	
R912	3012943214	MT-GLAZE 47K FA 1/16W	
R913	3012249316	MT-GLAZE 1K JA 1/16W	
R914	3012943016	MT-GLAZE 10K FA 1/16W	
R916	3012249019	MT-GLAZE 10K JA 1/16W	
R917	3012249712	MT-GLAZE 22 JA 1/16W	
R918	3012249316	MT-GLAZE 1K JA 1/16W	
R919	3012249316	MT-GLAZE 1K JA 1/16W	
R921	3013025414	MT-GLAZE 220 FA 1/16W	
R922	3013025414	MT-GLAZE 220 FA 1/16W	
R923	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R924	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R926	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R927	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R928	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R929	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R930	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R931	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R932	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R933	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R935	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R936	3012351415	MT-GLAZE 1.2K JA 1/16W	
R937	3012251210	MT-GLAZE 4.7K JA 1/16W	
R938	3012251210	MT-GLAZE 4.7K JA 1/16W	
R939	3012250213	MT-GLAZE 3.3K JA 1/16W	
R941	3012248814	MT-GLAZE 100 JA 1/16W	
R943	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R945	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R9611	3012250213	MT-GLAZE 3.3K JA 1/16W	
R9612	3012250213	MT-GLAZE 3.3K JA 1/16W	
R9613	3012250213	MT-GLAZE 3.3K JA 1/16W	
R9631	3012249316	MT-GLAZE 1K JA 1/16W	
R9632	3012249019	MT-GLAZE 10K JA 1/16W	
R9633	3012251210	MT-GLAZE 4.7K JA 1/16W	
R9634	3012253818	MT-GLAZE 1.5K JA 1/16W	
R9635	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R9755	3012249316	MT-GLAZE 1K JA 1/16W	
R9871	3012293913	MT-GLAZE 180 JA 1/16W	
R9872	3012293913	MT-GLAZE 180 JA 1/16W	
R9873	3012249019	MT-GLAZE 10K JA 1/16W	
R9875	3012249019	MT-GLAZE 10K JA 1/16W	
R9876	3012258110	MT-GLAZE 10 JA 1/16W	
R9877	3012258011	MT-GLAZE 330 JA 1/16W	
R9882	3012258110	MT-GLAZE 10 JA 1/16W	
R9884	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R9885	3012258110	MT-GLAZE 10 JA 1/16W	
R9888	3012249316	MT-GLAZE 1K JA 1/16W	
R9889	3012258110	MT-GLAZE 10 JA 1/16W	
R9890	3012258110	MT-GLAZE 10 JA 1/16W	
R9891	3012258110	MT-GLAZE 10 JA 1/16W	
R9892	3012249019	MT-GLAZE 10K JA 1/16W	
R9893	3012249019	MT-GLAZE 10K JA 1/16W	
R9894	3012249019	MT-GLAZE 10K JA 1/16W	
R9896	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R9897	3012293913	MT-GLAZE 180 JA 1/16W	
R9898	3012258011	MT-GLAZE 330 JA 1/16W	
R9899	3012293913	MT-GLAZE 180 JA 1/16W	
R9901	3012248814	MT-GLAZE 100 JA 1/16W	
R9902	3012248913	MT-GLAZE 100K JA 1/16W	
R9903	3012248913	MT-GLAZE 100K JA 1/16W	
R9904	3012248913	MT-GLAZE 100K JA 1/16W	
R9905	3012248814	MT-GLAZE 100 JA 1/16W	
R9907	3012248814	MT-GLAZE 100 JA 1/16W	
R9908	3012248814	MT-GLAZE 100 JA 1/16W	
R9909	3012248814	MT-GLAZE 100 JA 1/16W	
R9914	3012249019	MT-GLAZE 10K JA 1/16W	
R9915	3012249019	MT-GLAZE 10K JA 1/16W	
R9916	3012249019	MT-GLAZE 10K JA 1/16W	
R9918	3012258110	MT-GLAZE 10 JA 1/16W	
R9927	3012261516	MT-GLAZE 0.000 ZA 1/16W	
RB401	9450370817	R-NETWORK 0X4 1/16W	
RB402	9450370817	R-NETWORK 0X4 1/16W	
RB403	9450370817	R-NETWORK 0X4 1/16W	
RB404	9450370817	R-NETWORK 0X4 1/16W	
RB405	9450370817	R-NETWORK 0X4 1/16W	
RB406	9450370817	R-NETWORK 0X4 1/16W	
RB408	9450370817	R-NETWORK 0X4 1/16W	
RB409	9450370817	R-NETWORK 0X4 1/16W	
RB410	9450370817	R-NETWORK 0X4 1/16W	
RB411	9450370817	R-NETWORK 0X4 1/16W	
RB8001	9450490690	R-NETWORK 33X4 1/16W	
RB8002	9450490690	R-NETWORK 33X4 1/16W	
RB8003	9450490690	R-NETWORK 33X4 1/16W	
RB8004	9450490690	R-NETWORK 33X4 1/16W	
RB8006	9450490690	R-NETWORK 33X4 1/16W	
RB8007	9450490690	R-NETWORK 33X4 1/16W	
RB8008	9450490690	R-NETWORK 33X4 1/16W	
SC1001	9450763503	SURGE-ABSORBER	
SC1011	9450763503	SURGE-ABSORBER	
SC1021	9450763503	SURGE-ABSORBER	
SC1030	9450763503	SURGE-ABSORBER	
SC1041	9450763503	SURGE-ABSORBER	
SC1051	9450763503	SURGE-ABSORBER	
SC1061	9450763503	SURGE-ABSORBER	
SC1071	9450763503	SURGE-ABSORBER	
SC1081	9450763503	SURGE-ABSORBER	
SC1091	9450763503	SURGE-ABSORBER	
SC5608	9450763503	SURGE-ABSORBER	
SC8001	9450763503	SURGE-ABSORBER	
SC8002	9450763503	SURGE-ABSORBER	
SW6801	9450262792	SWITCH,PUSH 1P-1TX1	
SW6802	9450262792	SWITCH,PUSH 1P-1TX1	
SW6803	9450262792	SWITCH,PUSH 1P-1TX1	
SW6804	9450262792	SWITCH,PUSH 1P-1TX1	
SW6806	9450262792	SWITCH,PUSH 1P-1TX1	
SW6807	9450262792	SWITCH,PUSH 1P-1TX1	
SW6808	9450262792	SWITCH,PUSH 1P-1TX1	
SW6810	9450262792	SWITCH,PUSH 1P-1TX1	
SW6811	9450262792	SWITCH,PUSH 1P-1TX1	
X1331	6451026934	OSC,CRYSTAL 27.000MHZ	
X401	6451052414	OSC,CRYSTAL 33.8688MHZ	
X8001	6451026934	OSC,CRYSTAL 27.000MHZ	
X8801	9450837556	OSC,CRYSTAL 25.0MHZ	
ZD2896	3072091214	ZD UDZS-TE-176.2B	
ZD2897	3072091214	ZD UDZS-TE-176.2B	
ZD2898	3072091214	ZD UDZS-TE-176.2B	
ZD5702	3072091214	ZD UDZS-TE-176.2B	
ZD5703	3072091214	ZD UDZS-TE-176.2B	

A1001 6550051431 ASSY,PWB ,RC KJ4CC

Ref.	Part No.	Description	Note
A2901	6451049766	UNIT,REMOCON RECEIVER	
C2901	4034551012	CERAMIC 1U K 10V	
C2902	3032825118	CERAMIC 470P K 50V	
C2903	3033687319	CERAMIC 10U K 6.3V	
C8836	3034093426	CERAMIC 0.1U K 16V	
IC8811	4106544802	IC ADT75BRMZ-REEL	
R2901	3012251814	MT-GLAZE 47 JA 1/16W	
R2902	3012258110	MT-GLAZE 10 JA 1/16W	
R2903	3012248814	MT-GLAZE 100 JA 1/16W	
R2904	3012258110	MT-GLAZE 10 JA 1/16W	
A1002	**6550051448**	**ASSY,PWB ,ID CONNECT KJ4CC**	
L8731	9450866037	IMPEDANCE,330 OHM P	
L8732	9450866037	IMPEDANCE,330 OHM P	
L8733	9450866037	IMPEDANCE,330 OHM P	
L8734	9450866037	IMPEDANCE,330 OHM P	
L8737	9450866037	IMPEDANCE,330 OHM P	
R8738	3012261516	MT-GLAZE 0.000 ZA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note

Panasonic®

Schematic Diagram
Circuit Boards Diagram

Models **PT-VX500U**
PT-VX500E
PT-VX500EA
PT-VW430U
PT-VW430E
PT-VW430EA

Important Safety Notice
Components identificated by the International symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

■ COLD and HOT indications

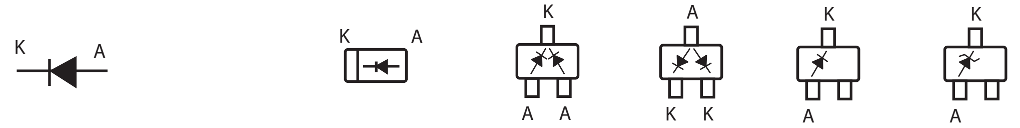
The power circuit board contains a circuit area using a separate power supply to isolate the ground connection.
The circuits is defined by HOP and COLD indications in the schematic diagram. Take the precautions below.
This schematic diagram is the latest at the time of model production start and subject to change without notice.

■ Precautions

NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
NEVER short-circuit the HOL and COLD circuits, or the fuse may blow and the parts may break.
NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.
Connect the ground of instruments to the ground of the circuit being measured.
MAKE SURE to unplug the power cord from the power outlet before removing the chassis.
When ordering parts, please check the part number of the parts list.

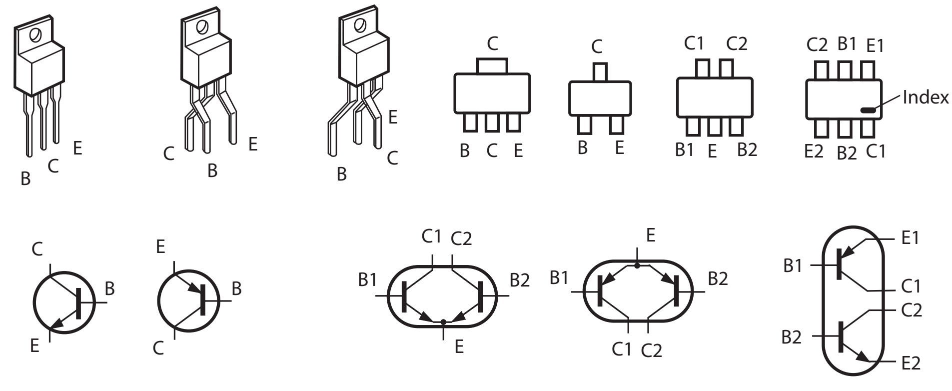
Pin description of diode, transistor and IC

● Diode



K: Cathode
A: Anode

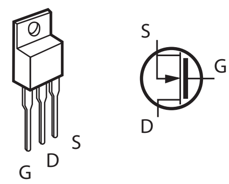
● Transistor/FET



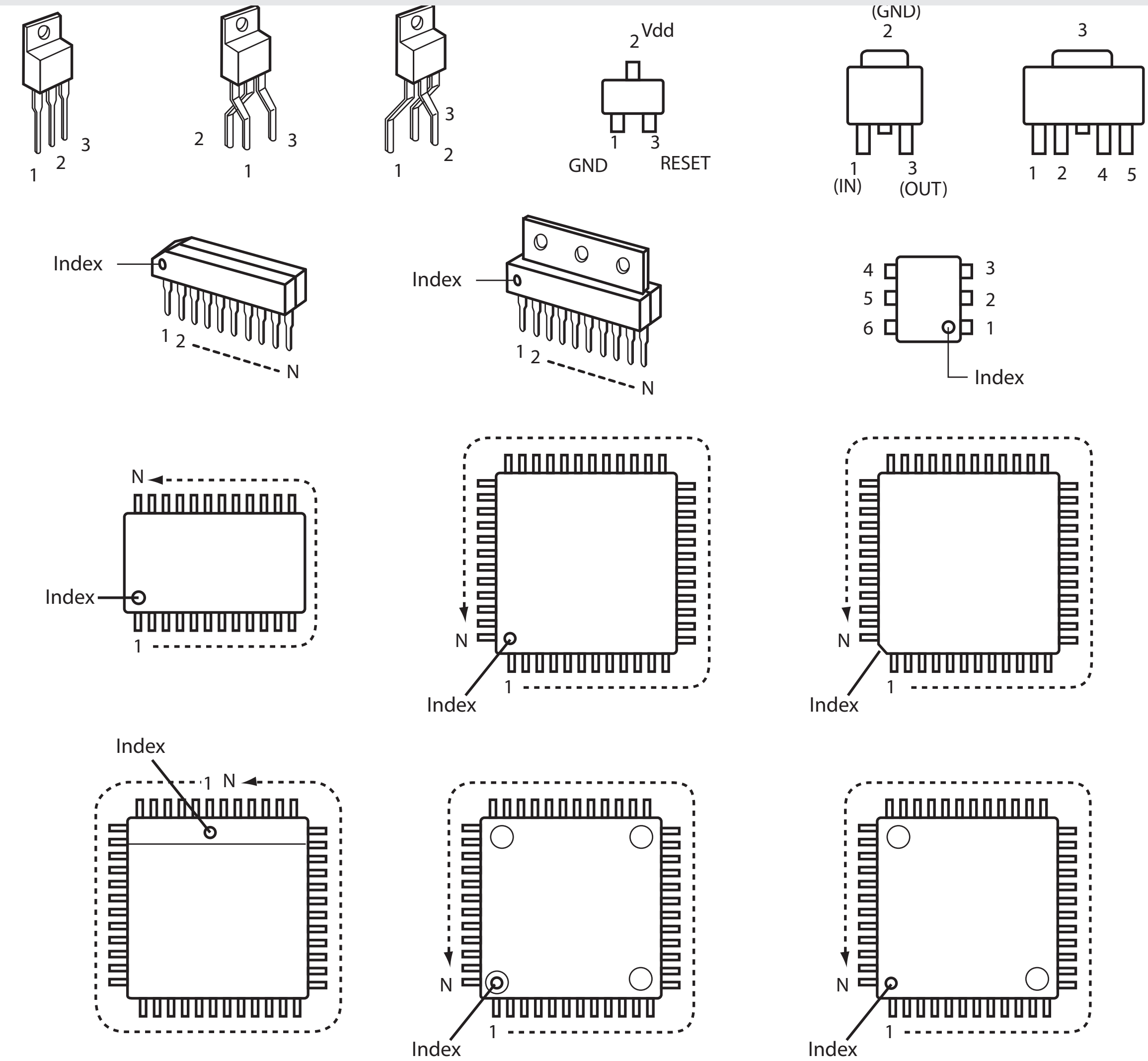
C: Collector
B: Base
E: Emitter

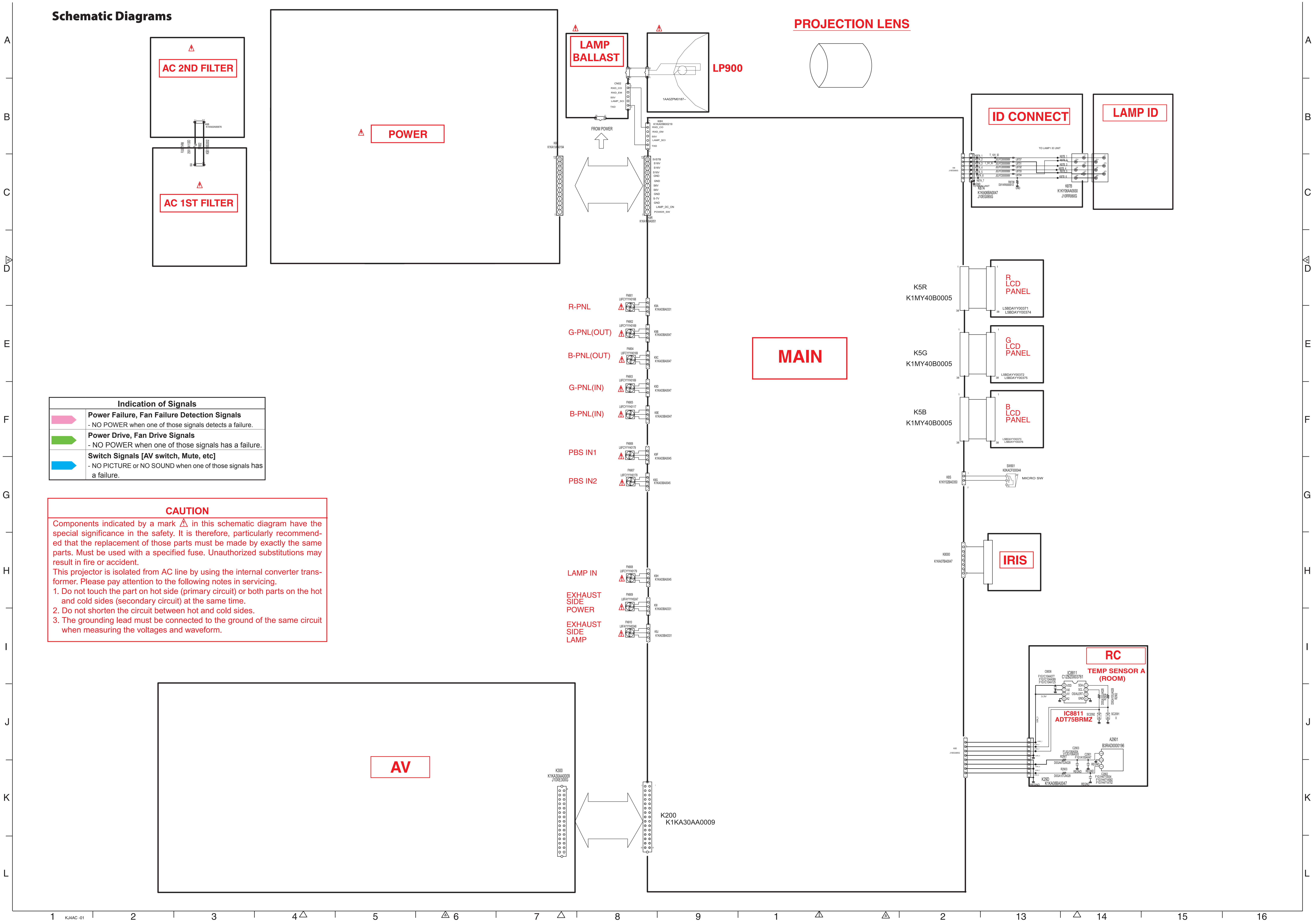
D: Drain
G: Gate
S: Source

FET



● IC





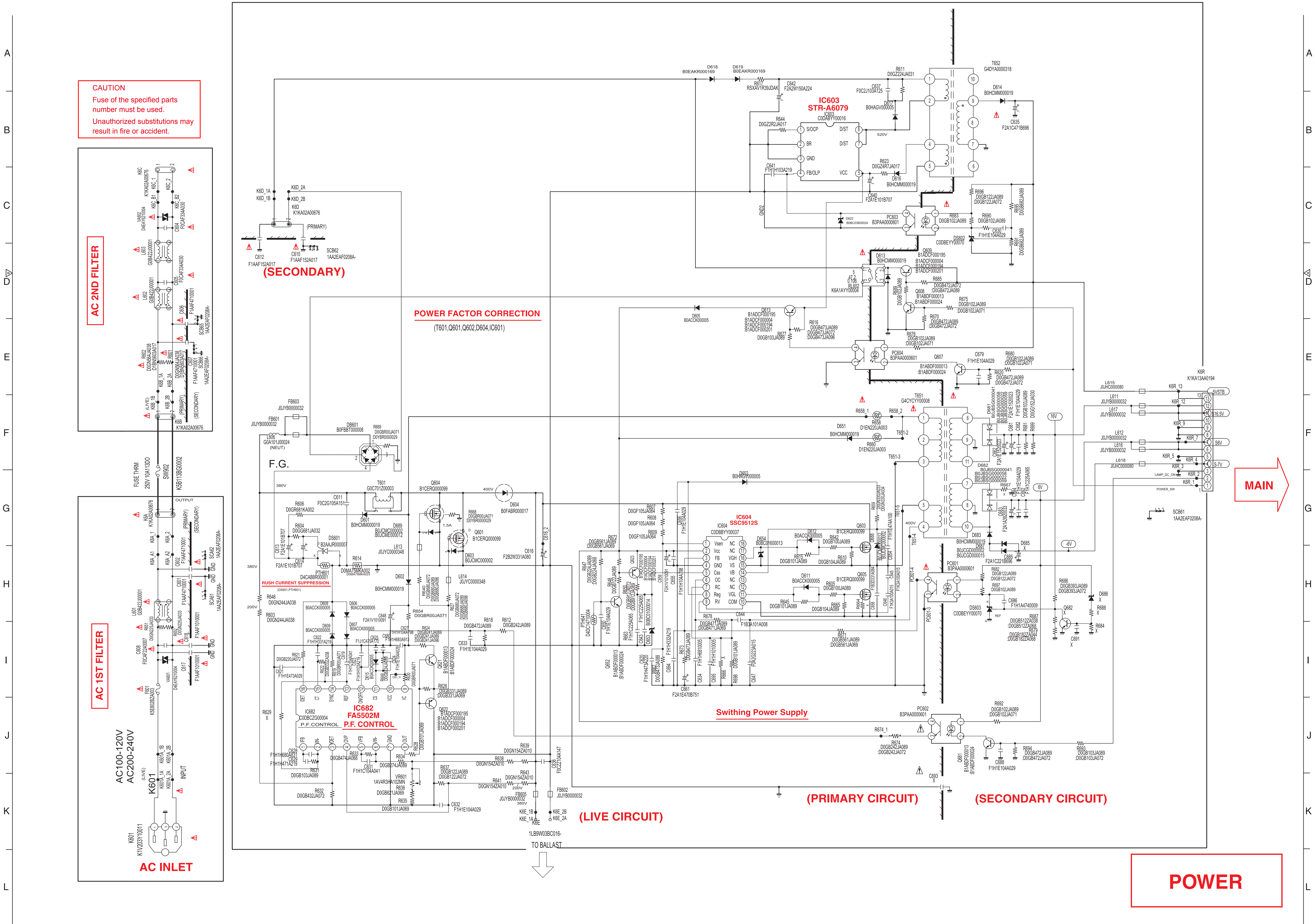
Indication of Signals	
(pink arrow)	**Power Failure, Fan Failure Detection Signals** - NO POWER when one of those signals detects a failure.
(green arrow)	**Power Drive, Fan Drive Signals** - NO POWER when one of those signals has a failure.
(blue arrow)	**Switch Signals [AV switch, Mute, etc]** - NO PICTURE or NO SOUND when one of those signals has a failure.

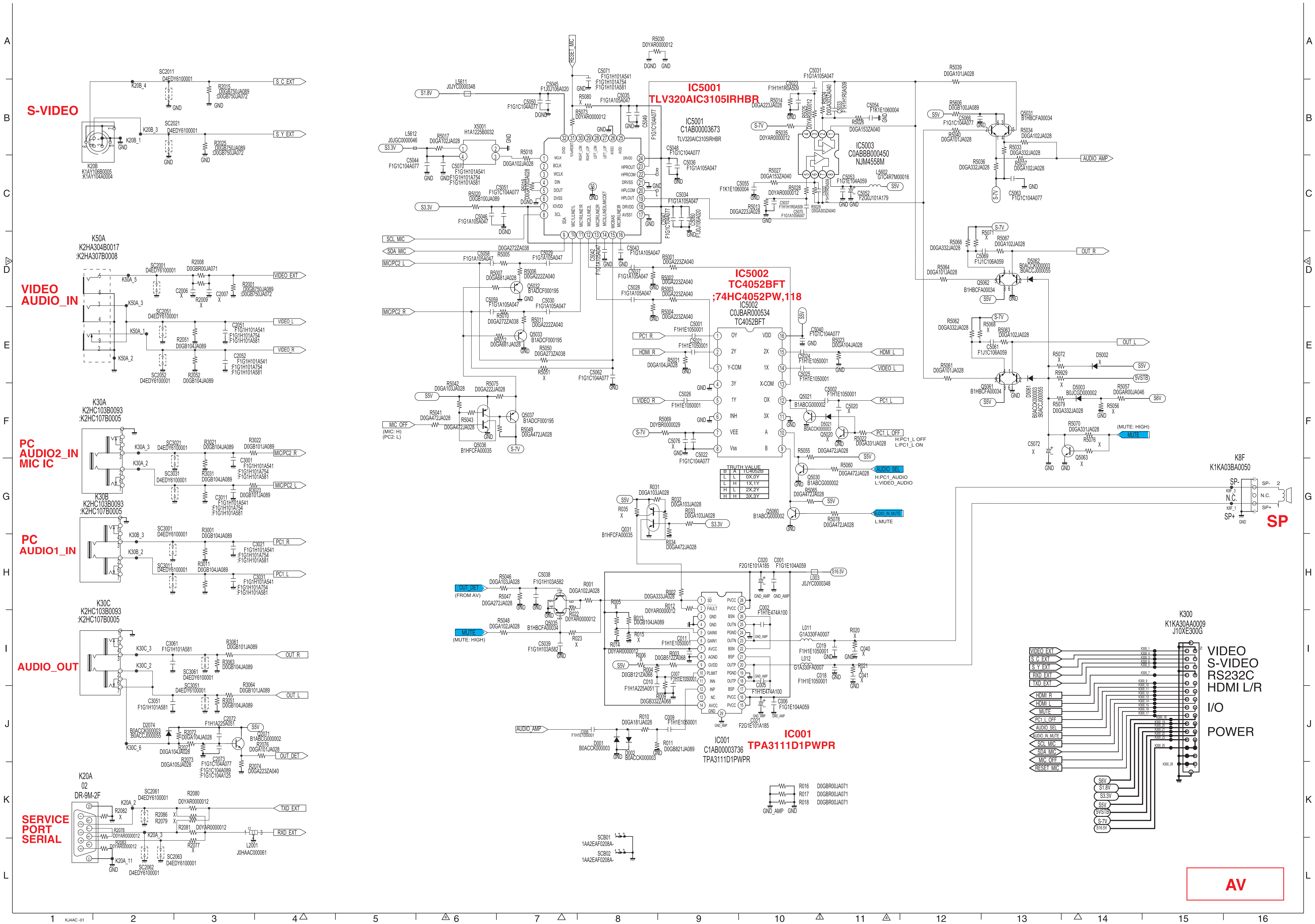
CAUTION

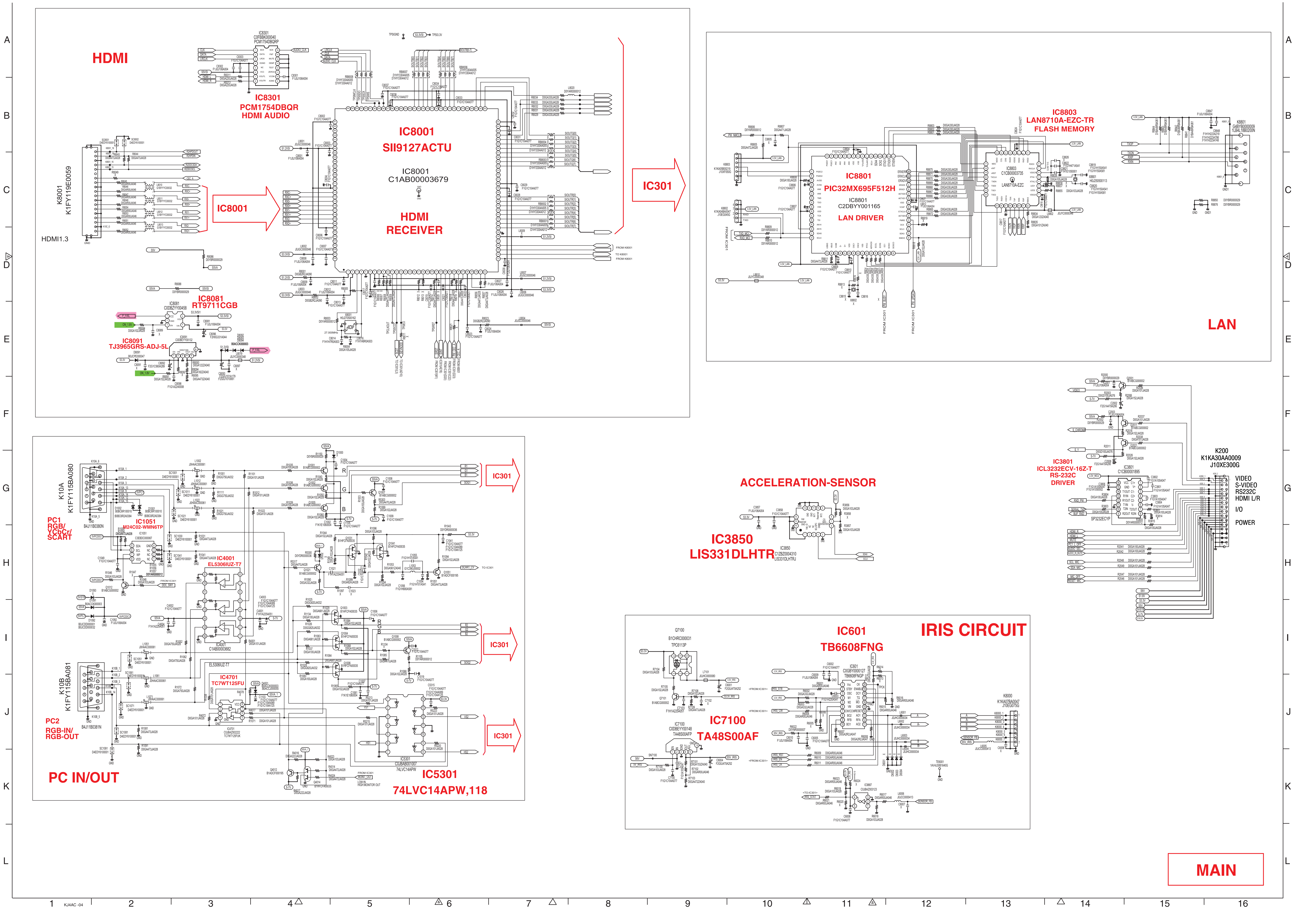
Components indicated by a mark ⚠ in this schematic diagram have the special significance in the safety. It is therefore, particularly recommended that the replacement of those parts must be made by exactly the same parts. Must be used with a specified fuse. Unauthorized substitutions may result in fire or accident.

This projector is isolated from AC line by using the internal converter transformer. Please pay attention to the following notes in servicing.

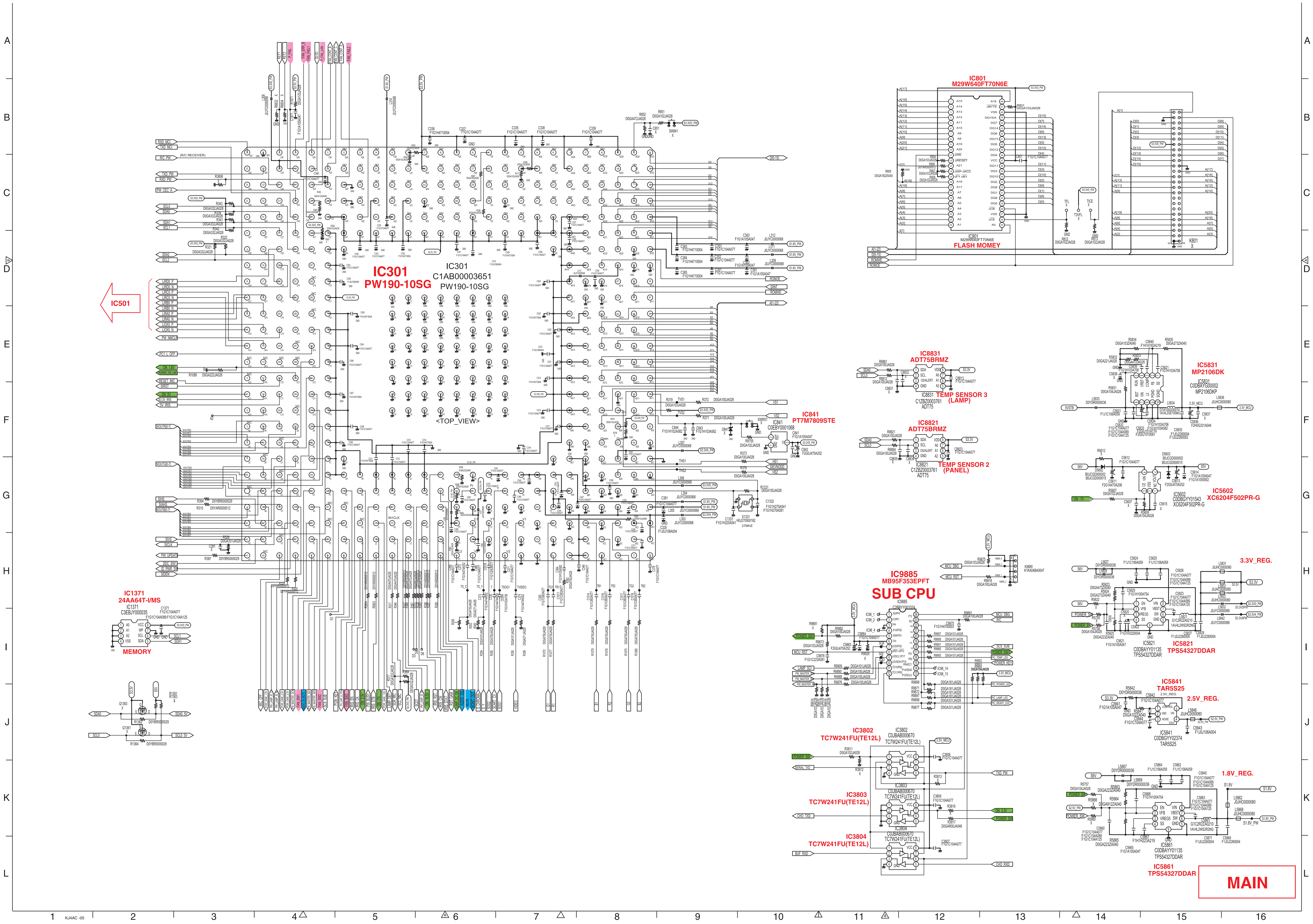
1. Do not touch the part on hot side (primary circuit) or both parts on the hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring the voltages and waveform.

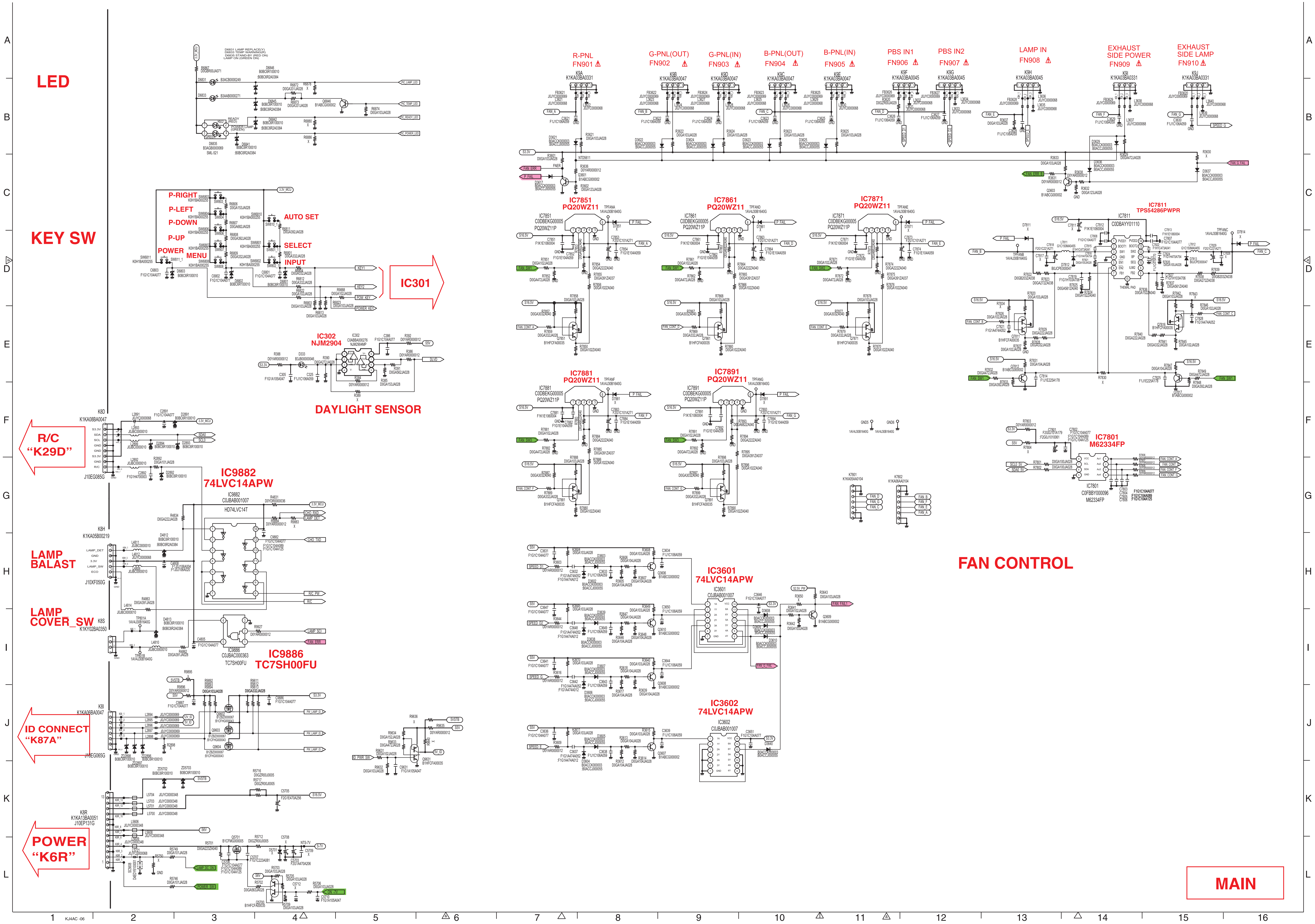

CAUTION
Fuse of the specified parts number must be used.
Unauthorized substitutions may result in fire or accident.
AC 2ND FILTER
AC 1ST FILTER
AC100-120V
AC200-240V
K601
AC INLET
(SECONDARY)
POWER FACTOR CORRECTION
(T601,Q601,Q602,D604,IC601)
F.G.
RUSH CURRENT SUPPRESSION
IC682
FA5502M
P.F. CONTROL
IC603
STR-A6079
IC604
SSC9512S
Swithing Power Supply
(LIVE CIRCUIT)
(PRIMARY CIRCUIT)
(SECONDARY CIRCUIT)
TO BALLAST
MAIN
POWER

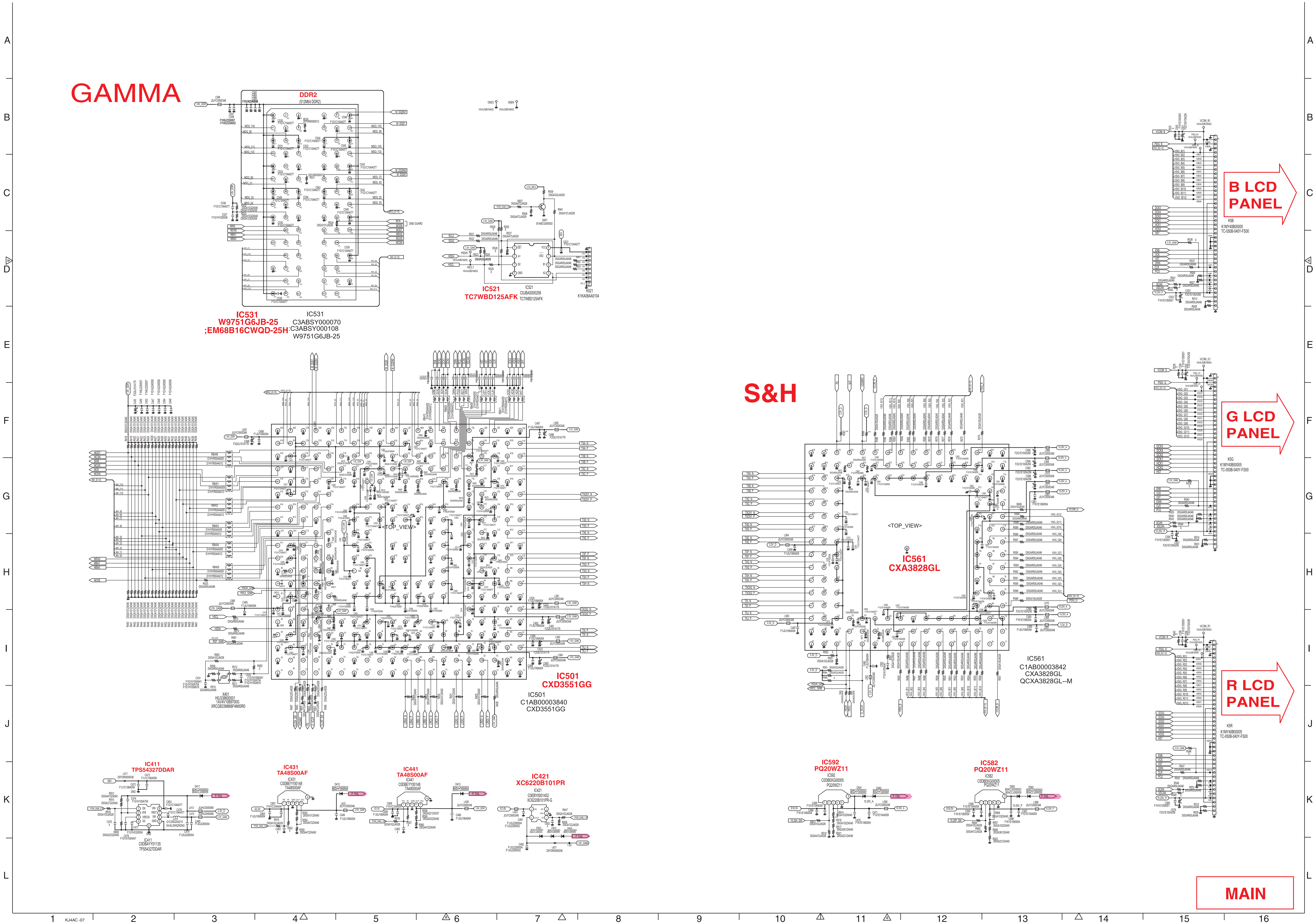

S-VIDEO
VIDEO
AUDIO_IN
PC
AUDIO2_IN
MIC IC
PC
AUDIO1_IN
AUDIO_OUT
SERVICE
PORT
SERIAL
IC5001
TLV320AIC3105IRHBR
IC5001
C1AB00003673
TLV320AIC3105IRHBR
IC5003
C0ABBB000450
NJM4558M
IC5002
TC4052BFT
;74HC4052PW,118
IC5002
C0JBAR000534
TC4052BFT
IC001
C1AB00003736
TPA3111D1PWPR
IC001
TPA3111D1PWPR
K8F
K1KA03BA0050
SP
K300
K1KA30AA0009
J10XE300G
VIDEO
S-VIDEO
RS232C
HDMI L/R
I/O
POWER
AV



HDMI
IC8301
PCM1754DBQR
HDMI AUDIO
IC8001
SII9127ACTU
IC8001
C1AB00003679
HDMI
RECEIVER
IC8001
IC301
K8001
K1FY119E0059
HDMI1.3
IC8081
RT9711CGB
IC8091
TJ3965GRS-ADJ-5L
IC8803
LAN8710A-EZC-TR
FLASH MEMORY
IC8801
PIC32MX695F512H
IC8801
C2DBYY001165
LAN DRIVER
LAN
K200
K1KA30AA0009
J10XE300G
IC3801
ICL3232ECV-16Z-T
RS-232C
DRIVER
VIDEO
S-VIDEO
RS232C
HDMI L/R
I/O
POWER
ACCELERATION-SENSOR
IC3850
LIS331DLHTR
K10A
K1FY115BA080
PC1
RGB/
YCbCr/
SCART
IC1051
M24C02-WMN6TP
IC4001
EL5306IUZ-T7
IC301
IC301
IC301
K10B
K1FY115BA081
PC2
RGB-IN/
RGB-OUT
IC4701
TC7WT125FU
IC5301
74LVC14APW,118
PC IN/OUT
IRIS CIRCUIT
IC601
TB6608FNG
IC7100
TA48S00AF
MAIN


IC301
PW190-10SG
IC301
C1AB00003651
PW190-10SG
<TOP_VIEW>
IC501
IC801
M29W640FT70N6E
FLASH MOMEY
IC8831
ADT75BRMZ
TEMP SENSOR 3 (LAMP)
IC8821
ADT75BRMZ
TEMP SENSOR 2 (PANEL)
IC841
PT7M7809STE
IC5831
MP2106DK
IC5602
XC6204F502PR-G
IC1371
24AA64T-I/MS
MEMORY
IC9885
MB95F353EPFT
SUB CPU
IC3802
TC7W241FU(TE12L)
IC3803
TC7W241FU(TE12L)
IC3804
TC7W241FU(TE12L)
3.3V_REG.
IC5821
TPS54327DDAR
IC5841
TAR5S25
2.5V_REG.
1.8V_REG.
IC5861
TPS54327DDAR
MAIN


LED
KEY SW
P-RIGHT
P-LEFT
P-DOWN
P-UP
POWER
MENU
AUTO SET
SELECT
INPUT
IC301
IC302
NJM2904
DAYLIGHT SENSOR
R/C
"K29D"
IC9882
74LVC14APW
LAMP
BALAST
LAMP
COVER_SW
IC9886
TC7SH00FU
ID CONNECT
"K87A"
POWER
"K6R"
R-PNL
FN901
G-PNL(OUT)
FN902
G-PNL(IN)
FN903
B-PNL(OUT)
FN904
B-PNL(IN)
FN905
PBS IN1
FN906
PBS IN2
FN907
LAMP IN
FN908
EXHAUST
SIDE POWER
FN909
EXHAUST
SIDE LAMP
FN910
IC7851
PQ20WZ11
IC7861
PQ20WZ11
IC7871
PQ20WZ11
IC7811
TPS54286PWPR
IC7881
PQ20WZ11
IC7891
PQ20WZ11
IC7801
M62334FP
FAN CONTROL
IC3601
74LVC14APW
IC3602
74LVC14APW
MAIN


GAMMA
DDR2
(512Mbit DDR2)
IC531
W9751G6JB-25
;EM68B16CWQD-25H
IC531
C3ABSY000070
:C3ABSY000108
W9751G6JB-25
IC521
TC7WBD125AFK
IC501
CXD3551GG
IC501
C1AB00003840
CXD3551GG
S&H
IC561
CXA3828GL
IC561
C1AB00003842
CXA3828GL
QCXA3828GL--M
B LCD
PANEL
G LCD
PANEL
R LCD
PANEL
IC411
TPS54327DDAR
IC431
TA48S00AF
IC441
TA48S00AF
IC421
XC6220B101PR
IC592
PQ20WZ11
IC582
PQ20WZ11
MAIN

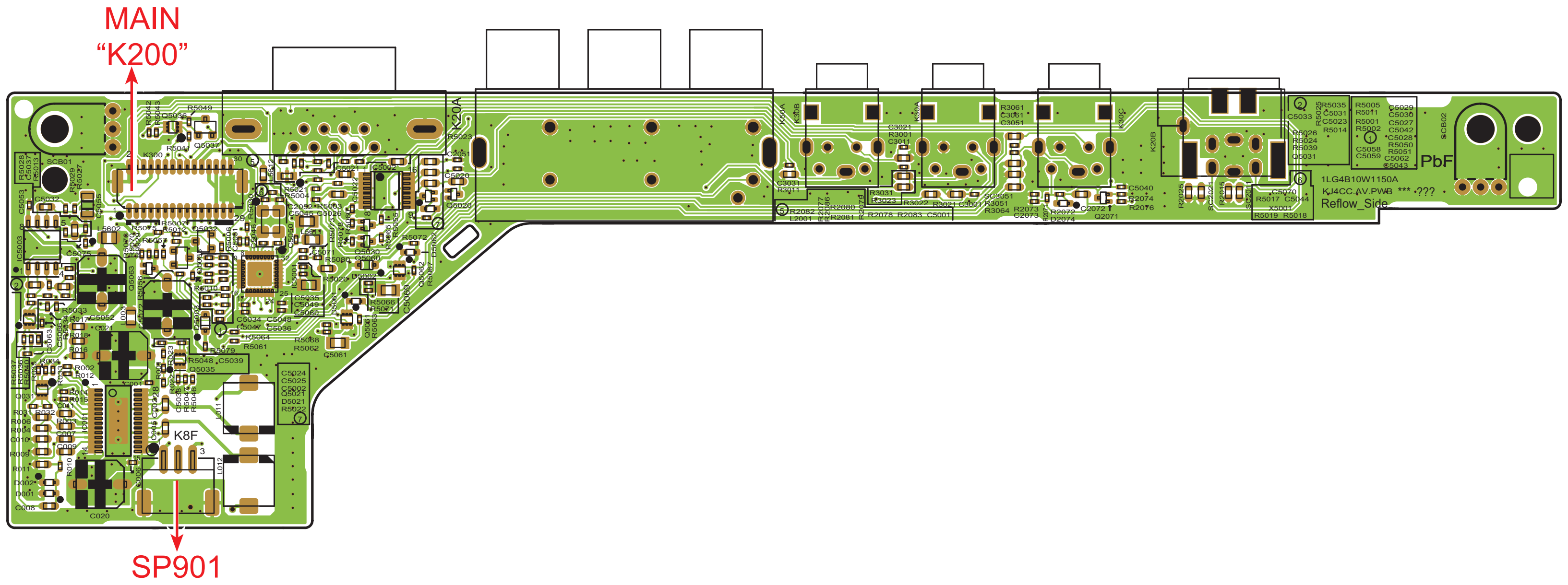
Printed Wiring Board Diagrams

⚠ CAUTION

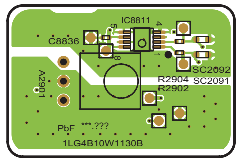
This projector is isolated from AC line by using the internal converter transformer.
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1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
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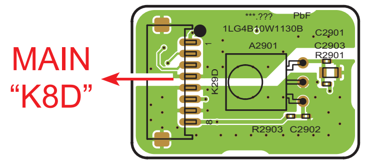
AV (SIDE:A)



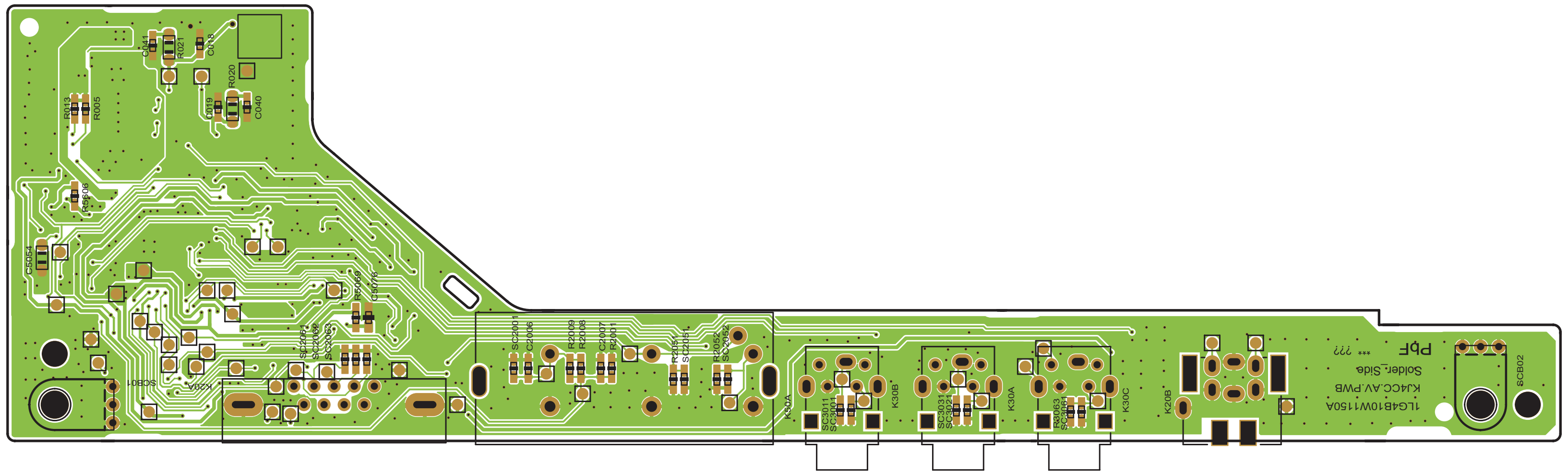
RC (SIDE:A)



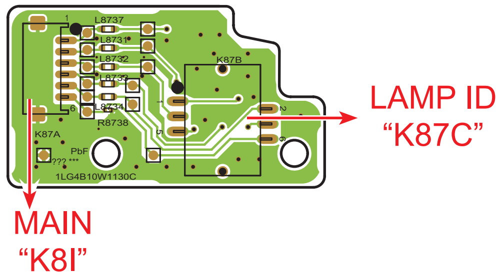
RC (SIDE:B)



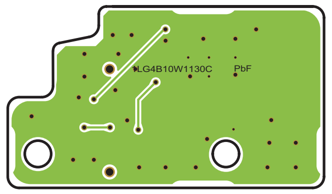
AV (SIDE:B)



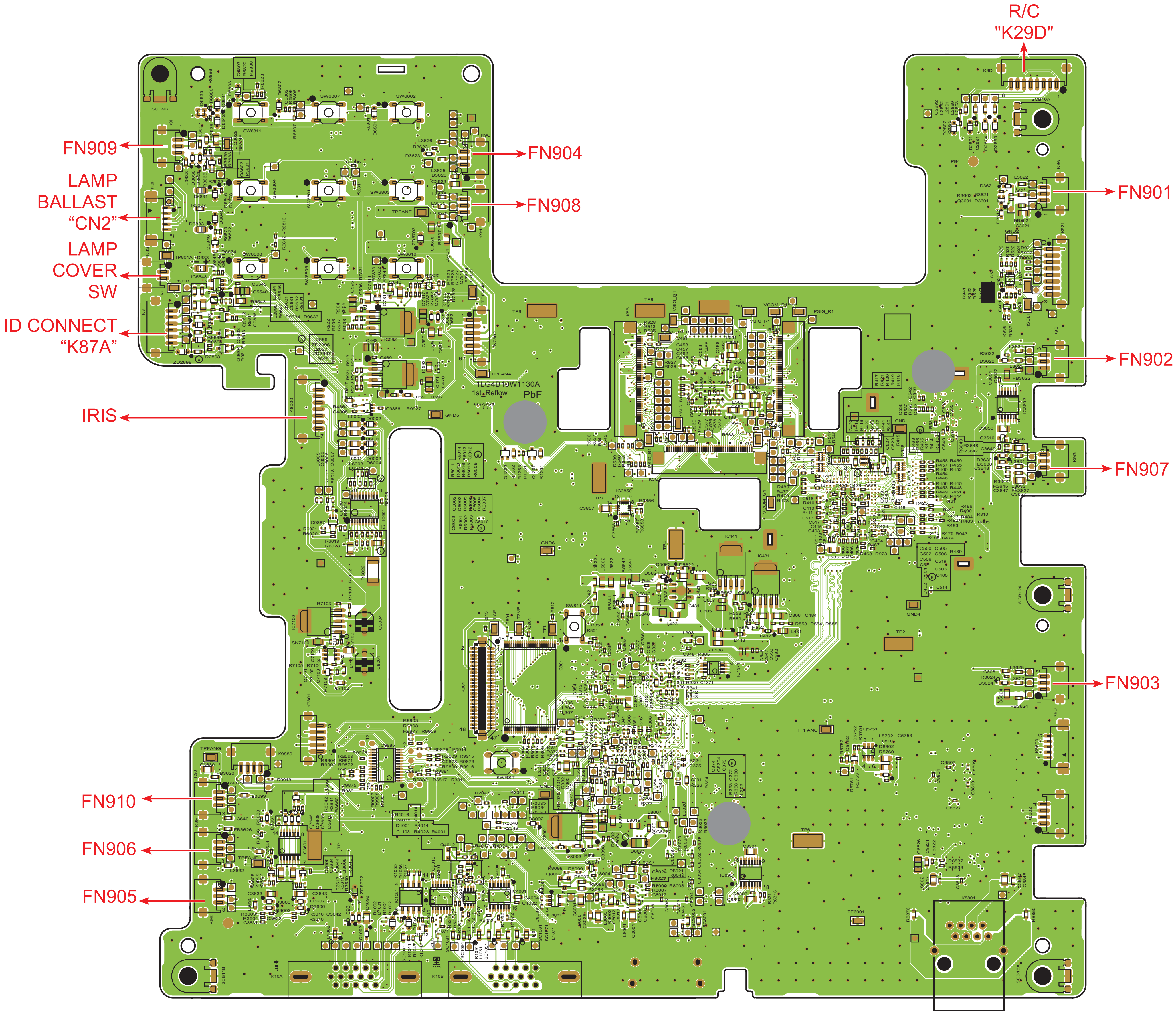
ID CONNECT (SIDE:A)



ID CONNECT (SIDE:A)

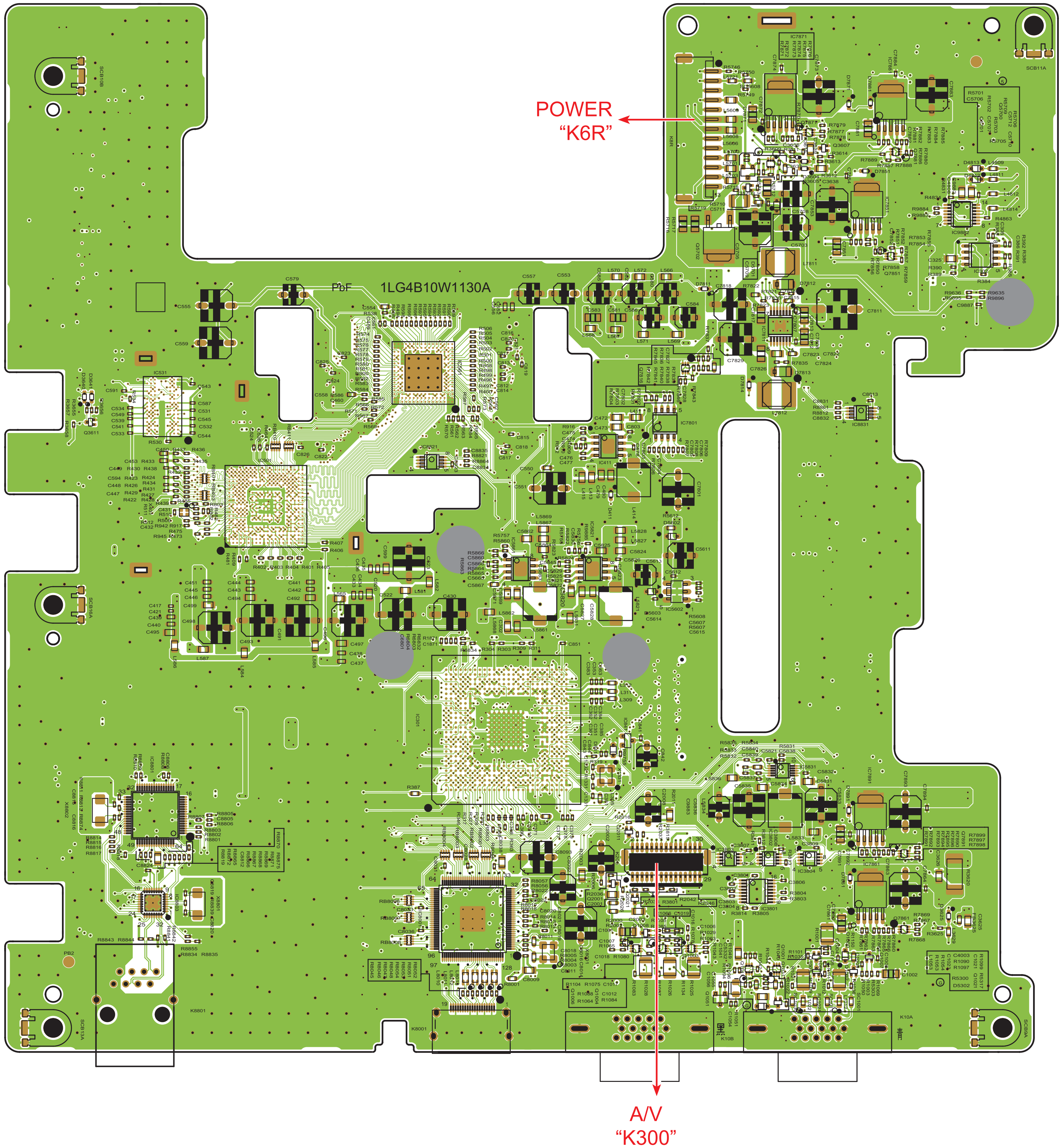


MAIN (SIDE:A)

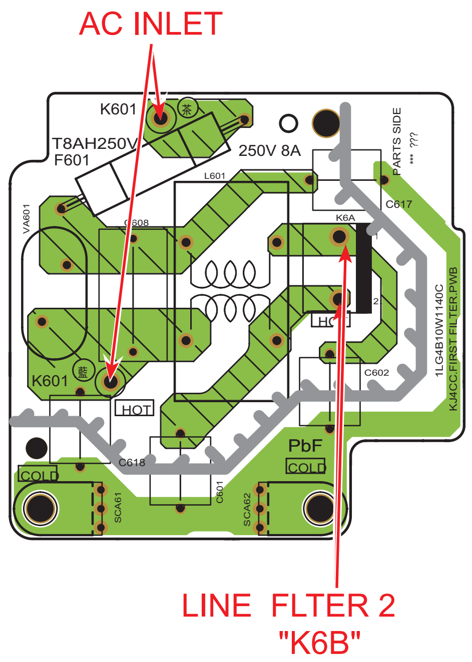


R/C
"K29D"
FN909
LAMP
BALLAST
"CN2"
LAMP
COVER
SW
ID CONNECT
"K87A"
IRIS
FN904
FN908
FN901
FN902
FN907
FN903
FN910
FN906
FN905

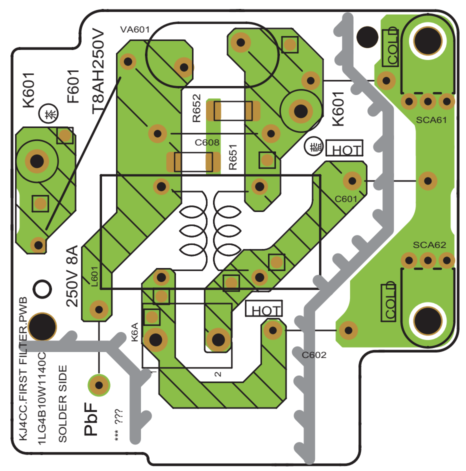
MAIN (SIDE:B)



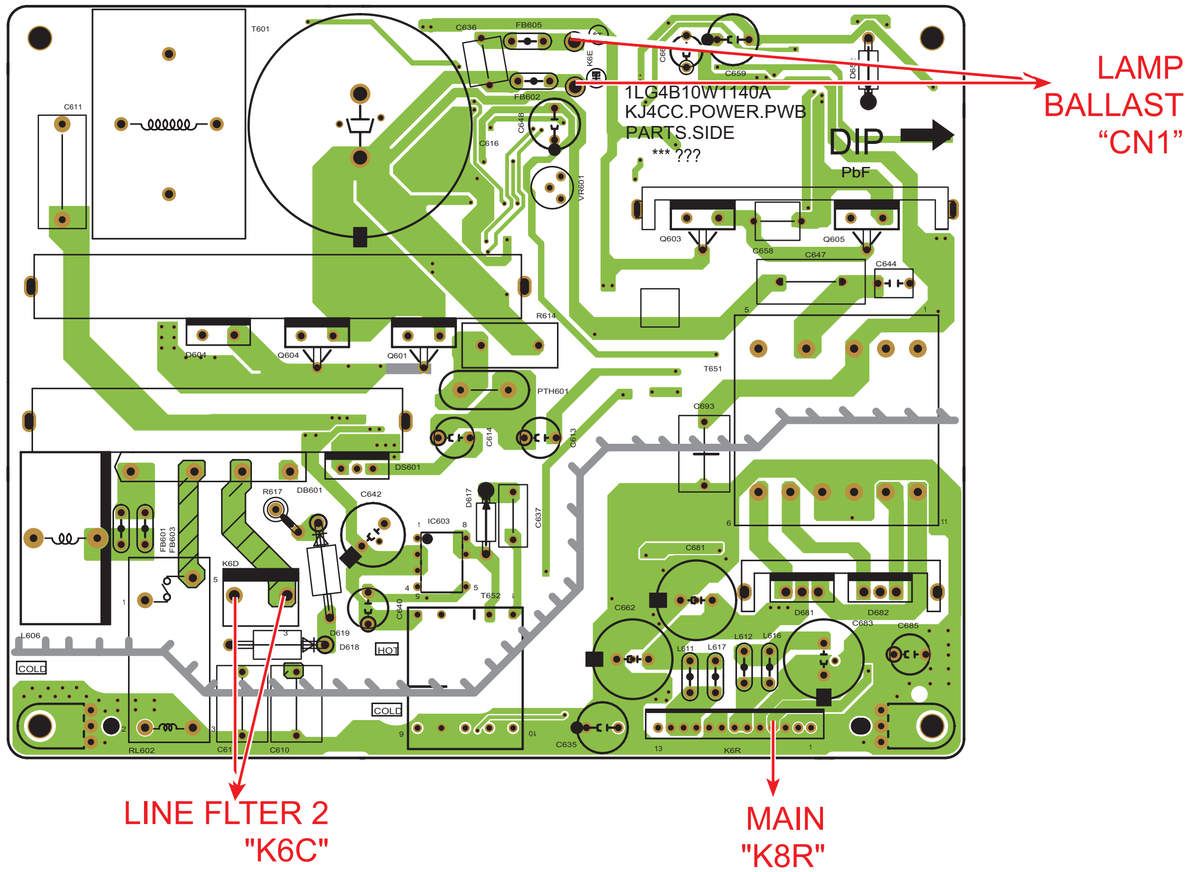
AC 1ST FILTER (SIDE:A)



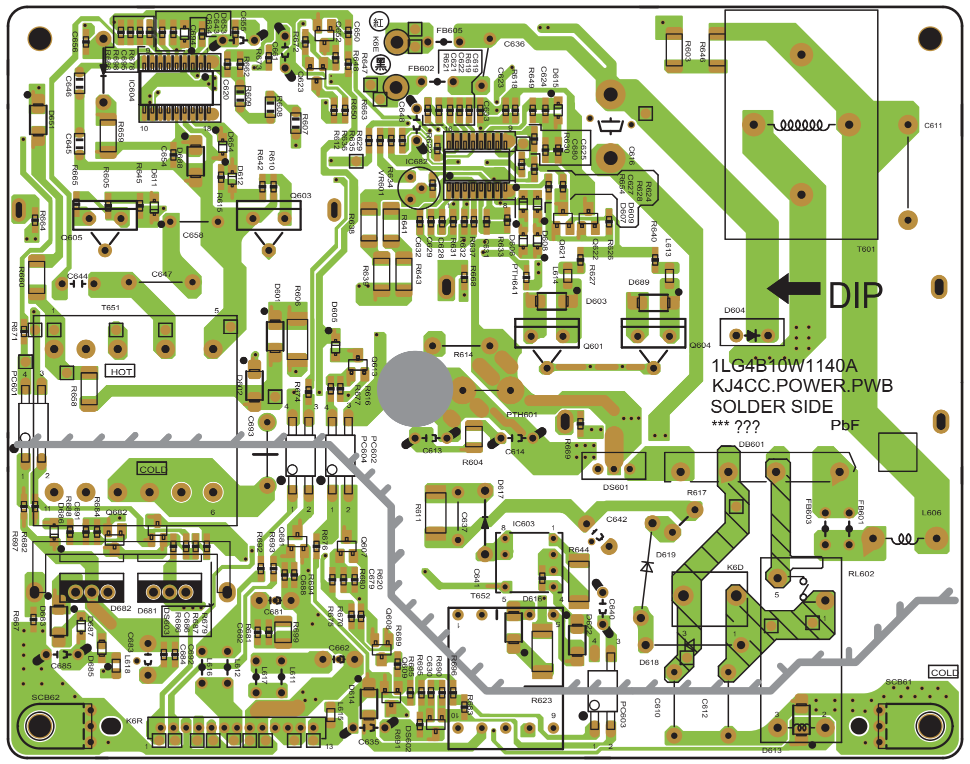
AC 1ST FILTER (SIDE:B)



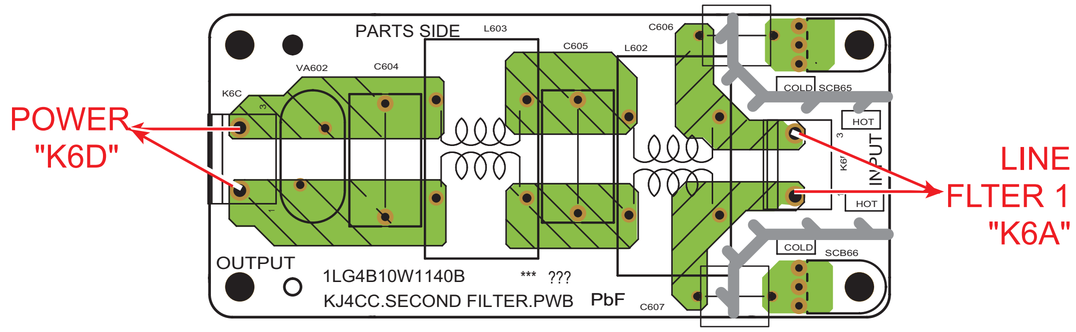
POWER (SIDE:A)



POWER (SIDE:B)



AC 2ND FILTER (SIDE:A)



AC 2ND FILTER (SIDE:B)

